model numbers | H25D46DT, H27D46DT, H32D46DT, H36D46DT • Presentation™ TVs

zenith

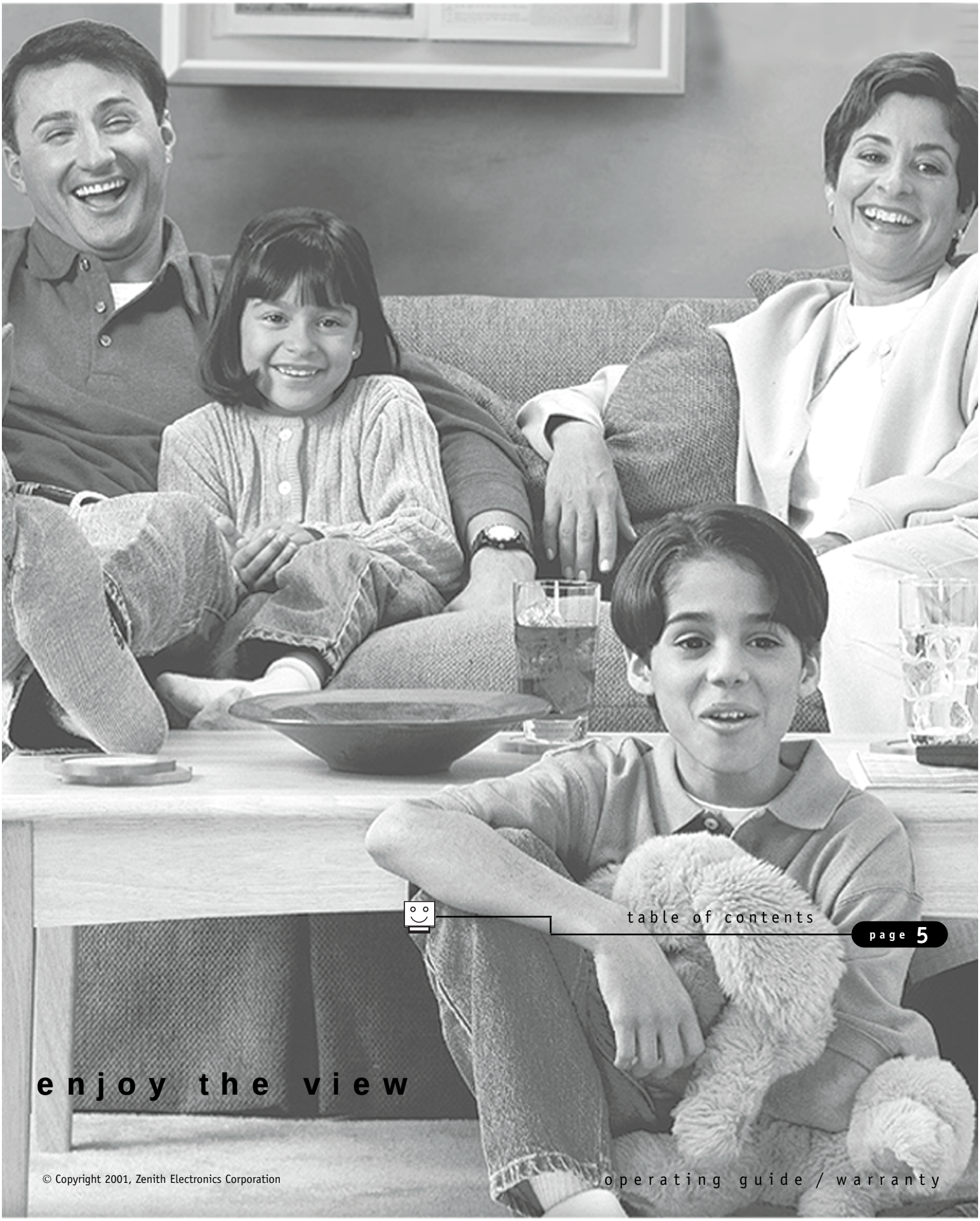

table of contents page 5

enjoy the view

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operating guide / warranty

For Customer Support/Service
Please call:

1-888-865-3026

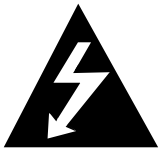
www.zenith.com

RECORD YOUR MODEL NUMBER

The model and serial number of the Presentation™ TV are located on the back of the TV cabinet. For future reference, we suggest that you record these numbers here:

MODEL NO._____

SERIAL NO._____



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

POWER CORD POLARIZATION:

This product is equipped with a 3-wire grounding-type alternating current line plug. This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the three-wire ground type plug.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

COMPLIANCE:

The responsible party for this product's compliance is:
Zenith Electronics Corporation, 2000 Millbrook Drive, Lincolnshire, IL 60069, USA • Phone: 1-847-391-7000.

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

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IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this operating guide can help you get many years of enjoyment and safe operation that are built into your new product.

This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

Do not place this product on a slippery or tilted surface, or on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

PORTABLE CART WARNING

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Power Cord Polarization

This product is equipped with a 3-wire grounding type alternating-current power plug. This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the three-wire ground-type plug.

13. Power Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

(Continued on next page)

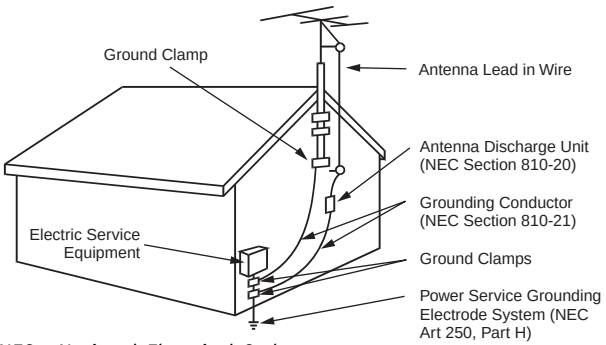
IMPORTANT SAFETY INSTRUCTIONS

(Continued from previous page)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions


Ground Clamp
Antenna Lead in Wire
Antenna Discharge Unit (NEC Section 810-20)
Grounding Conductor (NEC Section 810-21)
Electric Service Equipment
Ground Clamps
Power Service Grounding Electrode System (NEC Art 250, Part H)

NEC - National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. If the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e. If the product has been dropped or the cabinet has been damaged.

f. If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. Never place any hot objects on the cabinet surfaces. Contact with hot objects is sure to result in damage to the product.

Table of Contents

Use this page as a guide to locate the features on this TV

Safety Warnings 2
Important Safety Information . . . . . 3 - 4
Table of Contents 5

Computer Section

Optional: Computer Setups

Using the TV as a Computer Monitor

- Overview: Computer Monitor Setup 6
- Computer Hookup . . . . . 7 - 8
- Windows Environment Image Enhancements 9
- Macintosh Environment Image Enhancements 10
- Computer Source Selection 11
- Computer Video menu 12
- Computer Setup Notes 13
- Computer Setup Troubleshooting 46

TV Section

Step 1. TV Connections

TV/VCR/Cable Box/Computer and other Equipment Hookup

TV Hookup Directory 14

- Antenna 15
- Cable service 16
- Antenna with VCR 17
- Cable service with VCR 18
- S-VHS VCR 19
- External Amplifier (Audio Out Hookups) 20

Step 2. TV Reception Setup & Channel Search

Auto Program: Select Antenna, or Cable service and do a channel search 21
Front Panel Controls/Inputs 22
Remote Control Key Functions in TV mode 23
Picture/sound source selection 24
On-Screen Menus Overview 25

Step 3. Customize the Presentation™ TV's Features to your Preference

Setup Menu (Start with page 23, Auto Program)

- Add/Del/Blank 26
- Channel Labels (Preset and Custom) . . . . . 27 - 28
- Clock Set 29
- Closed Captions/Text menu 30
- Alarm (Set a TV Automatic Turn-on Time) 31
- Language 32

Audio Menu 33
Video Menu 34
Parental Control Menu . . . . . 35 - 36
Source Menu 37
Other Menus and On-Screen Displays

- Channel/Time/Audio Display 38
- Ghost Channel Display 38
- Sleep Timer menu 38
- Volume Display 38
- Closed Captions/Text menu 38
- Ch Preview menu 38

Remote Control Programming to Control Other Products

- Remote Control Programming 39
- Amplifier Volume Override 40
- Aux 1, Aux 2, Aux 3 Programming 41
- AutoFind 42
- Programming Product Name Brand Codes . . . . . 43 - 44
- Remote Modes (TV, Cable, VCR, Aux) Key Functions . . 45

Computer Setup Troubleshooting 46
TV Setup Troubleshooting . . . . . 47 - 48 - 49
Maintenance 50
Glossary 51
Warranty for Presentation Series TVs . . . . . Back Cover

Read the following overview/instructions to set up the TV (Presentation TV) as a Computer Monitor

Using Your Presentation TV as a Computer Monitor (pages 7 - 14)

Caution: When planning your computer monitor setup, be sure to provide adequate support for the connector/cable that will be used to hook up your computer to this TV. If not properly supported, excessive weight from the cable can damage the TV connectors. Be sure that the weight of all cable connections made to this TV are properly supported.

Connect a Computer to the TV using the cable provided in the accessory packet supplied with the TV, follow the hookup instructions on pages 8 and 9.

PC You can make a direct hookup to the TV's front or rear computer connectors without using any adapters.

MAC Macintosh computers may require a Zenith PCZ40 adapter (typical DB-15 adapter which connects the Macintosh 2-row connector to the TV's 3-row connector) see your Zenith dealer or computer reseller.

Video Mirror Connections (Optional)
The computer image can be sent to both the TV screen and a computer monitor at the same time by using the video mirror connection, see the instructions on pages 7 - 8.

PC Direct connection to the TV's connectors using the cable provided in the accessory packet.

MAC Macintosh computers may require a Zenith PCZ40 adapter (typical DB-15 adapter which connects the Macintosh 2-row connector to the TV's 3-row connector) see your Zenith dealer or computer reseller.

Adjust the Computer Display Output to TV Requirements
Computer display output settings must be set to SVGA 800 x 600 @ 60 Hz.

Set Up the Presentation TV for Computer Requirements
If your Computer is hooked up to the TV's front computer port which is 800 x 600 @60 Hz, choose FRONT COMPUTER SVGA input by pressing TV/VCR SOURCE repeatedly on the remote control, or use the on-screen Source menu.

If your Computer is hooked up to the TV's rear computer port, choose REAR COMPUTER SVGA input by pressing TV/VCR SOURCE repeatedly on the remote control, or use the on-screen Source menu.

Additional Computer Image Enhancements (Optional)
Additional computer output adjustments to optimize the computer image quality appearing on the TV screen

PC See page 9 for Windows environment.

MAC See page 10 for Macintosh environment.

Troubleshooting
Problems? See troubleshooting on page 46 for Computer/TV setup problems.

Notes
- Avoid using hookup cables of excessive length (longer than 25 feet). Long cables can adversely affect image quality and Computer/TV performance.
- Not all computer cables will work with the TV. See your Zenith dealer for special computer extension cables.

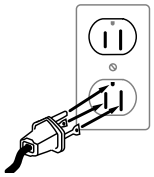
Note: The optional PCZ3000 Computer Scan Conversion Card Kit is available from your Zenith dealer The PCZ3000 allows the TV to display additional computer formats in addition to 800 x 600 @60 Hz SVGA. It also enhances the image from your computer, and allows you to link or daisy-chain a series of TV sets; allows a computer's image to appear on a series of TVs connected to the TV. See your Zenith dealer for further details.

Computer Hook Up

Here is the basic setup to use the Presentation TV as a computer monitor

1 Make the basic connections as indicated. (Appearance of components may vary from those in the illustrations.)

2 Plug in your TV. The Presentation TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.



3 Set the our computer's image output settings to 800 x 600 @ 60Hz or SVGA.

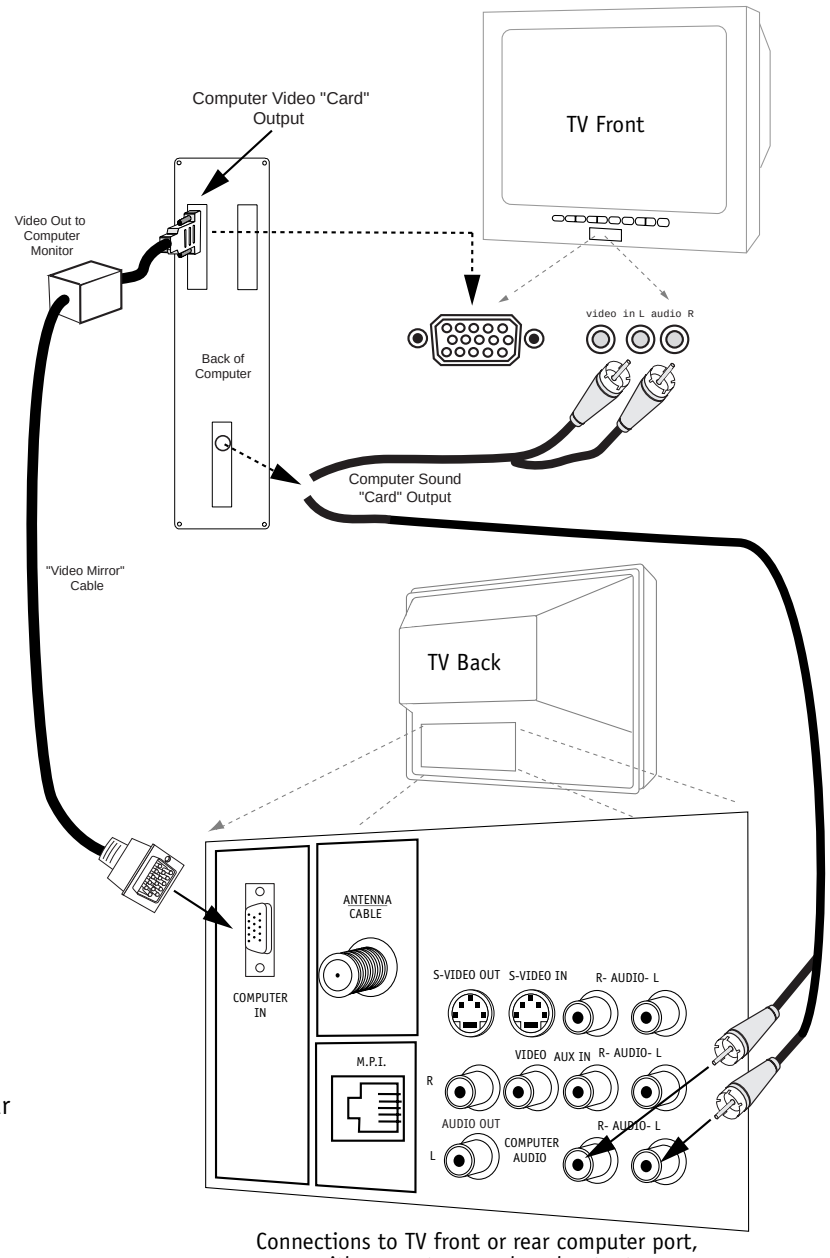
4 Using the Source menu, highlight "REAR COMPUTER SVGA" (Rear Computer in) or "FRONT COMPUTER SVGA" (Front Computer in) then press ENTER on the remote to change to the computer image source.

5 Boot up your computer. As it warms up, the TV will adapt to your computer.

Note: Unlike a computer monitor, this TV does not show a computer image on the screen <u>until</u> the TV has completely adapted to your computer's output. This is normal when using this TV as a computer monitor. <u>When</u> the TV has completely adapted to your computer, the computer's image will appear on the screen.

Components may vary from those in the illustration. If you have a Macintosh, use the 2-row to 3-row DB15 adapter on the Macintosh video connector.

On some notebook models, you must locate the "display toggle key" and switch the display to "external." Refer to the instructions for your computer.

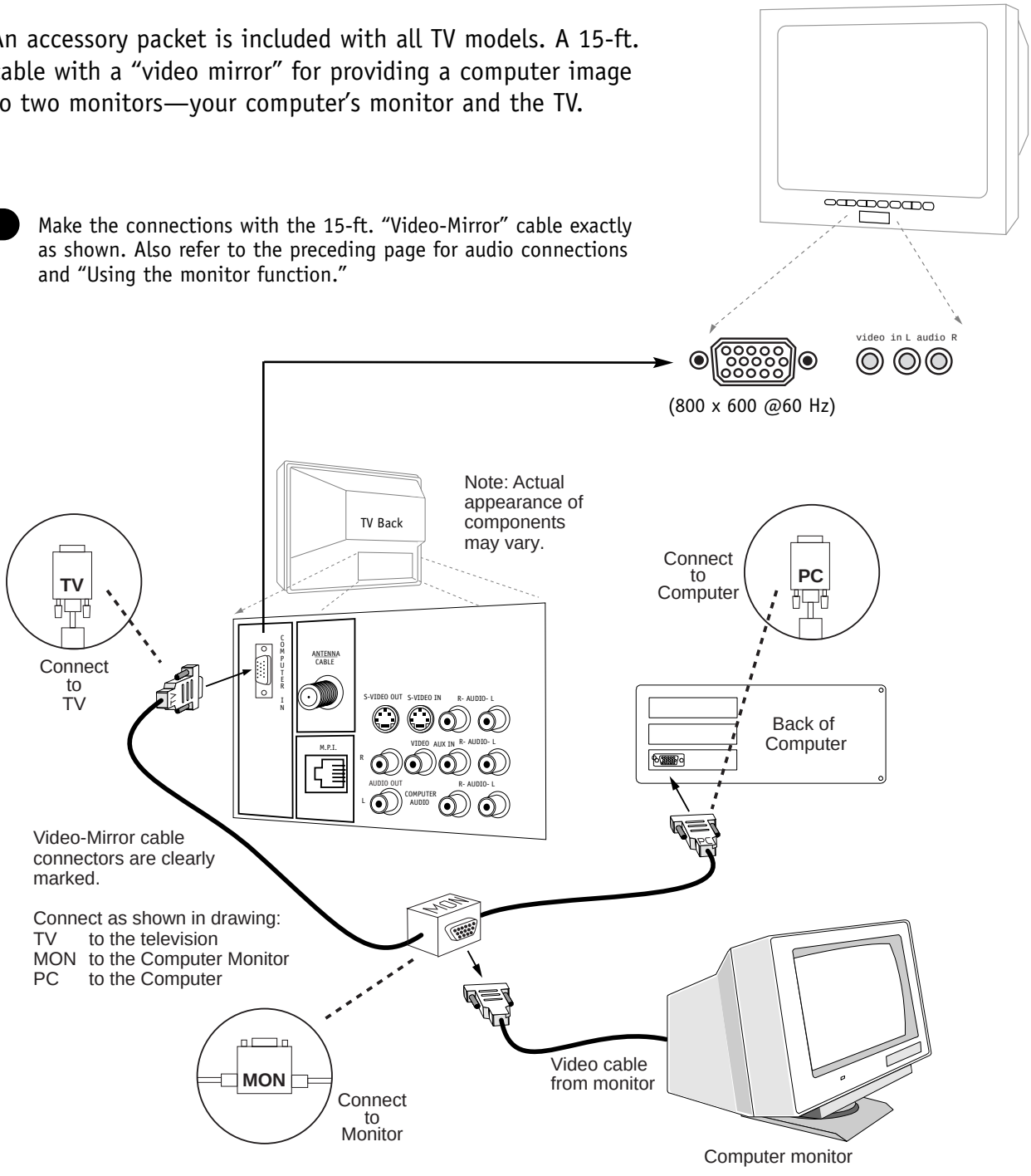


Connections to TV front or rear computer port, with computer sound card output to front or rear R - audio - L inputs.

Computer Hook Up

An accessory packet is included with all TV models. A 15-ft. cable with a "video mirror" for providing a computer image to two monitors—your computer's monitor and the TV.

1 Make the connections with the 15-ft. "Video-Mirror" cable exactly as shown. Also refer to the preceding page for audio connections and "Using the monitor function."



Your TV must be plugged in—not necessarily turned on—for the computer monitor to function.

Unless the Mirror Cable is connected exactly as shown above, no computer image will appear on the TV screen.

Setting your computer for optimum picture output in the Windows operating system environment

WINDOWS Environment

The following is a step-by-step procedure for setting your computer's picture output to optimum display quality.

1. Plug in your computer to the Presentation TV. Turn on the TV and then the COMPUTER.

2. Open your CONTROL PANEL and click on DISPLAY PROPERTIES.

3. Click on APPEARANCE. This is where you will make changes for Presentation display.

At this time you will now CREATE a NEW SCHEME or display for Presentation Display. Once you have created this "new scheme" you'll be able to quickly switch between Normal and a Presentation display Scheme. Once you have made the changes to your computer Scheme, then SAVE AS a Classroom Display. Use the following steps to change each ITEM, FONT and COLOR for optimum computer image viewing on the TV screen.

1. Select under the ITEM and start with ACTIVE TITLE BAR.
* Select SIZE to 28
* Select COLOR to GREY
* Select FONT
* Select TIMES NEW ROMAN
* Select SIZE 18
* Select COLOR of BLACK

2. Select under the ITEM category CAPTION BUTTONS
* Select SIZE of 25

3. Select under the ITEM category ICON
* Select SIZE of 40
* Select FONT SIZE of 20
* Select FONT of TIMES NEW ROMAN (BOLD)

Technical Update: Optimum Display November 1998

4. Select under the ITEM category ICON SPACING (Horizontal)
* Select SIZE of 100

5. Select under the ITEM category ICON SPACING (Vertical)
* Select SIZE of 100

6. Select under the ITEM category INACTIVE TITLE BAR
* Select SIZE of 30
* Select FONT SIZE of 18
* Select FONT of TIMES NEW ROMAN

7. Select under the ITEM category MENU
* Select SIZE of 30
* Select FONT SIZE 18
* Select FONT of TIMES NEW ROMAN

8. Select under the ITEM category MESSAGE BOX
* Select FONT SIZE of 14
* Select FONT of TIMES NEW ROMAN

9. Select under the ITEM category PALETTE TITLE
* Select SIZE of 30
* Select FONT SIZE of 18
* Select FONT of TIMES NEW ROMAN

10. Select under the ITEM category SELECTED ITEMS
* Select SIZE of 30
* Select COLOR of BLUE
* Select FONT SIZE of 18
* Select FONT of TIMES NEW ROMAN

11. Rename the scheme and SAVE AS, PRESENTATION DISPLAY.

12. CHANGING THE APPLICATION ICON SIZE
* Select Excel (Spreadsheet/workbooks)
* From the TASK BAR select TOOLS
* Select CUSTOMIZE
* Select OPTIONS
* Click on LARGE ICONS

Your Icons within your WORD and EXCEL will now match your new Scheme display.
Now you have set your Windows computer for optimum Presentation Display.

Setting your computer for optimum picture output in the Macintosh operating system environment

MACINTOSH Environment

The following is a step-by-step procedure for setting your computer picture output to optimum display quality.

1. Plug in your computer to the Presentation TV. Turn on the TV and then the COMPUTER.

2. Open your CONTROL PANEL by choosing under the APPLE icon or by clicking on your HARD DRIVE icon. If you choose the HARD DRIVE icon, you'll have to open your CONTROL PANEL through the SYSTEMS FOLDER.

3. Once you have located the CONTROL PANEL, click on VIEWS. This is where you will make changes for Presentation display.

4. Change the FONT to one that is appears well on a television. We would suggest that you use TIMES BOLD. Now, change the FONT SIZE to 18 or better.

Each time that you use the TV with your computer, you will simply change the FONT and SIZE through the CONTROL PANEL and VIEW. You have now changed the appearance of all your folders but NOT your applications.

VIEWING FOR PRESENTATION Vs. PRIVATE

1. When viewing an application, such as EXCEL or WORD, you will have to change the appearance of each application.

2. Once the application has been opened, just change the view from 100 percent to a selection over 150 percent. This will not permanently effect your document. Once you have completed your presentation, simply reduce the size back down to 100 percent viewing ratio.

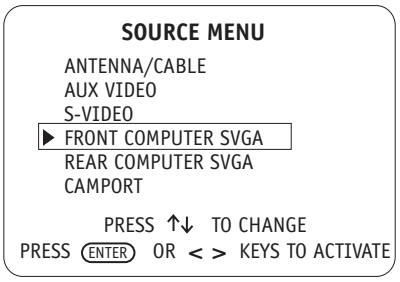
3. To enlarge the ICONS of the application, click on VIEW and then select TOOLBARS. Slide down and highlight CUSTOMIZE with your mouse, then click.

4. A file folder will now "pop-up". Now selection OPTIONS and then click on LARGE ICONS. This will only enlarge the ICONS on your menu palette. Due to a less flexible platform, you will not be able to effect the fonts/size on the Menu Bar.

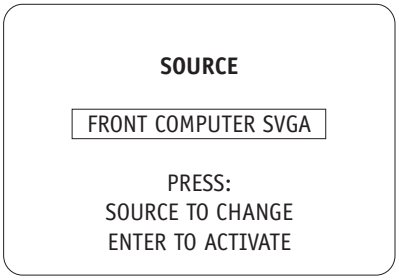
The Zenith TV is a high quality, low cost alternative to a true SVGA monitor.

Selecting Computer Sources

Choosing the computer input on the Source menus



Selecting Viewing Sources Using Onscreen Menus



Selecting Viewing Sources Pressing TV/VCR Source Key on Remote

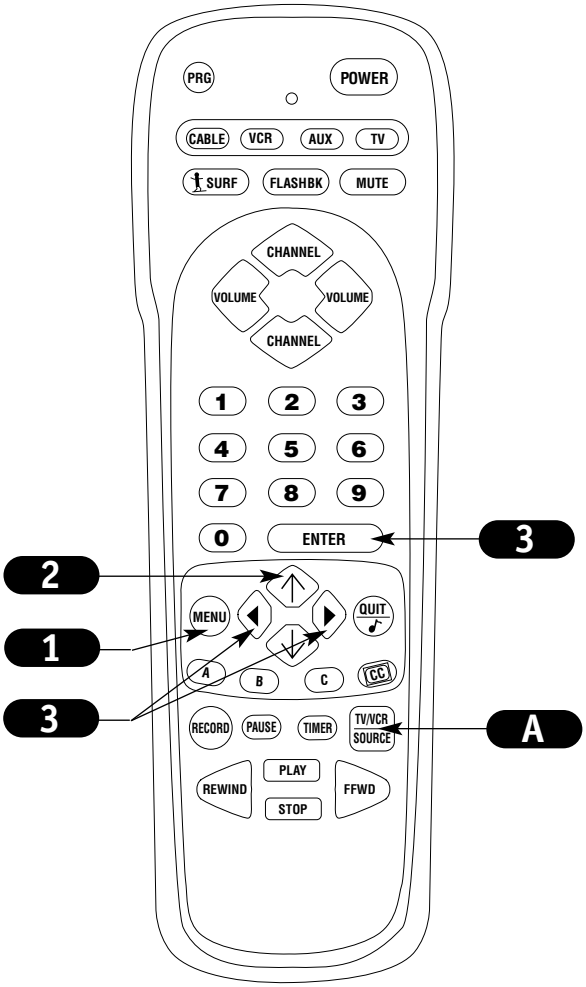
A **Source Selection**
Press TV/VCR SOURCE on the remote repeatedly to cycle through the available sources.

Source Selection using Source Menu

1 Press MENU on the remote repeatedly until the Source menu appears.

2 Use the Up/Down arrow on the remote control, to select the computer source that you want to to appear on your screen.

3 Press Enter, or the Left/Right arrow on the remote, to change to the new source, press ENTER again to remove menu and return to TV viewing.

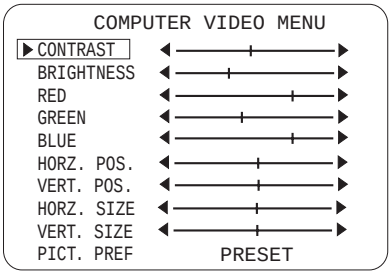


The front Computer In connector is an Auto Sense input. If you connect a computer to this connector, it will override any other selected source and show the computer display on the screen.

If the source you want to select does not appear as an option on the Source menu, see the Troubleshooting pages.

Computer Video Menu

Use the Computer Video Menu when using computer sources to customize the picture appearance to your preference



Note: For Computer Video Menu, connect and select a computer source.

1 Press the MENU key repeatedly until the Video menu appears. Your options are:

- **Contrast**: Adjusts the level of difference between white and black in the TV picture. The more contrast, the brighter the picture appears.
- **Brightness**: Increases or decreases amount of white in the TV picture.
- **Red/Green/Blue**: Adjusts level of color in the picture.
- **HORZ Position**: Adjusts horizontal position of picture.
- **VERT Position**: Adjusts vertical position of picture.
- **HORZ Size**: Adjusts horizontal size of picture.
- **VERT Size**: Adjusts vertical size of picture.
- **Picture Preference**: Choose either Custom or Preset. Custom allows you to set the picture the way you want. Preset moves all the above options back to their original, factory-set levels

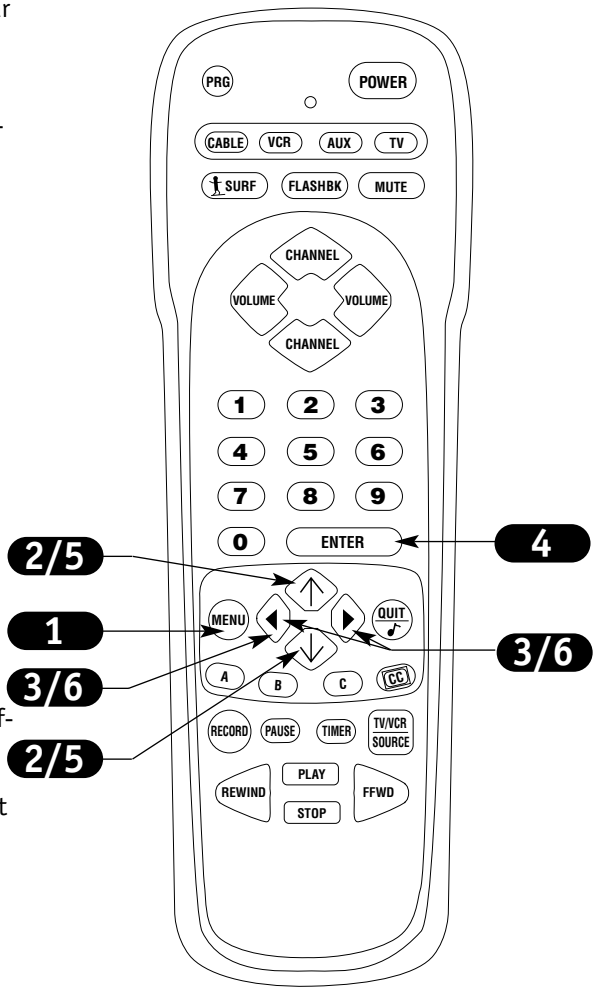
2 Using the Up/Down arrow on the remote control, choose Contrast on your screen.

3 Using the Left/Right arrow, change the contrast level to your preference.

4 Press ENTER, to return to TV viewing, or repeat from Step 2 to set the other menu options.

5 Use the Up/Down arrow to choose Picture Preference onscreen.

6 Use the Left/Right arrow, to choose either the original settings with Preset, or use your own settings with Custom.



Choose the Preset option in Picture Preference to quickly reset the video menu settings to their original values.

Computer Setup Notes

Use this blank page to write down notes regarding your particular computer setup

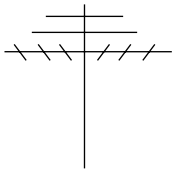
TV Hook-Up Directory

To hook up a computer see pages 6 - 13. To hook up other equipment, see below.

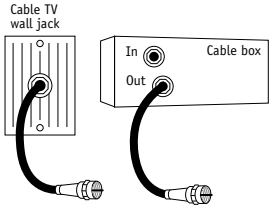
IMPORTANT!!

Use this page to decide where you need to begin your TV set up. First, find the line below that best describes what you want to do, then go to that page number.

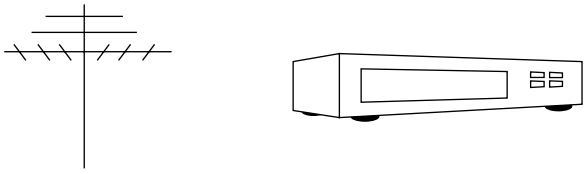
Antenna only If you are using an antenna and no other equipment, go to . . . . . page 15



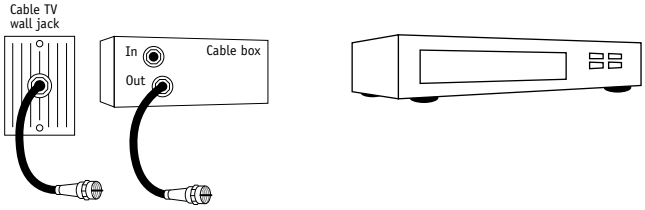
Cable only If you have cable and no other equipment, go to . . . . . page 16



Antenna with VCR If you are using an antenna and have a VCR, go to . . . . . page 17



Cable and VCR If you have cable and a VCR, go to . . . . . page 18

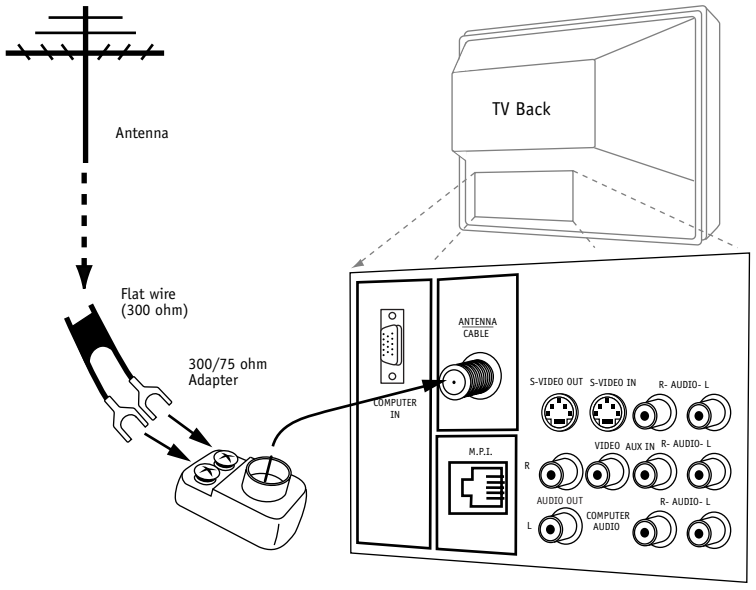


S-VHS VCR/Amplifier If you want to connect an S-VHS VCR . . . . . page 19

External Audio Amplifier with speakers . . . . . page 20

Hook Up Your Antenna to the TV

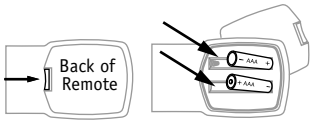
Connect an off-air antenna to the Presentation TV



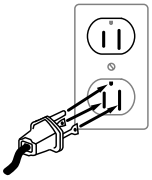
1 Locate the Antenna/Cable jack on the back of the Presentation TV.

2 Connect the cable that runs from the wall directly to this jack, according to one of the diagrams at the right.

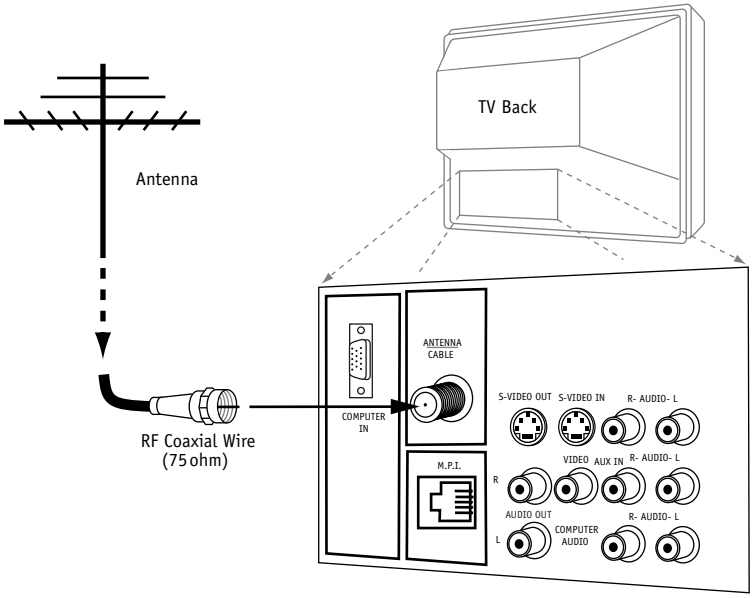
3 Remove the back of the remote and put in two AAA batteries.



4 Plug in the TV. This Entertainment Machine is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.



5 Go to page 21 to Auto Program the Presentation TV.



If you have a 75 ohm RF cable, then you don't need any adapters!

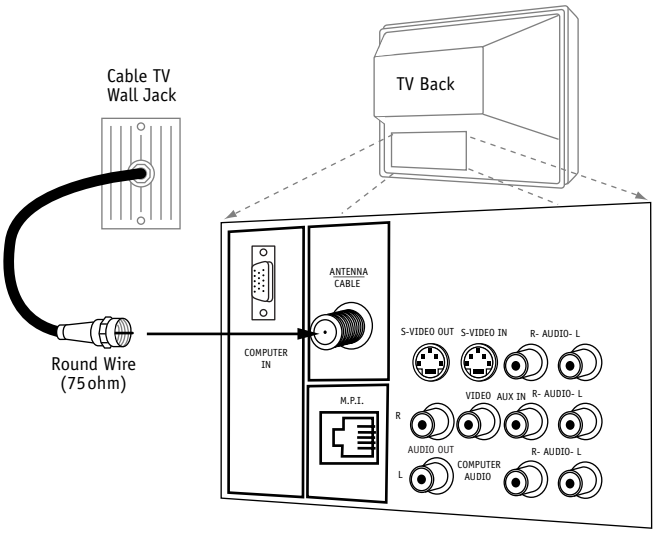
A 300 to 75 ohm adapter is not included with the Zenith Presentation TV.

Mini glossary

75 OHM RF CABLE	The wire that comes from an off-air antenna or cable service provider. Each end looks like a hex shaped nut with a wire sticking through the middle, and it screws onto the threaded jack on the back of your TV.
300 TO 75 OHM ADAPTER	A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end.

Hook Up Your Cable (CATV) to the TV

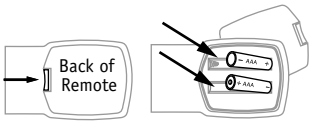
Connect cable service to the Presentation TV



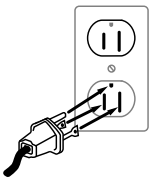
1 Locate the Antenna/Cable jack on the back of the Presentation TV.

2 Connect the cable that runs from the wall, according to one of the diagrams to the right.

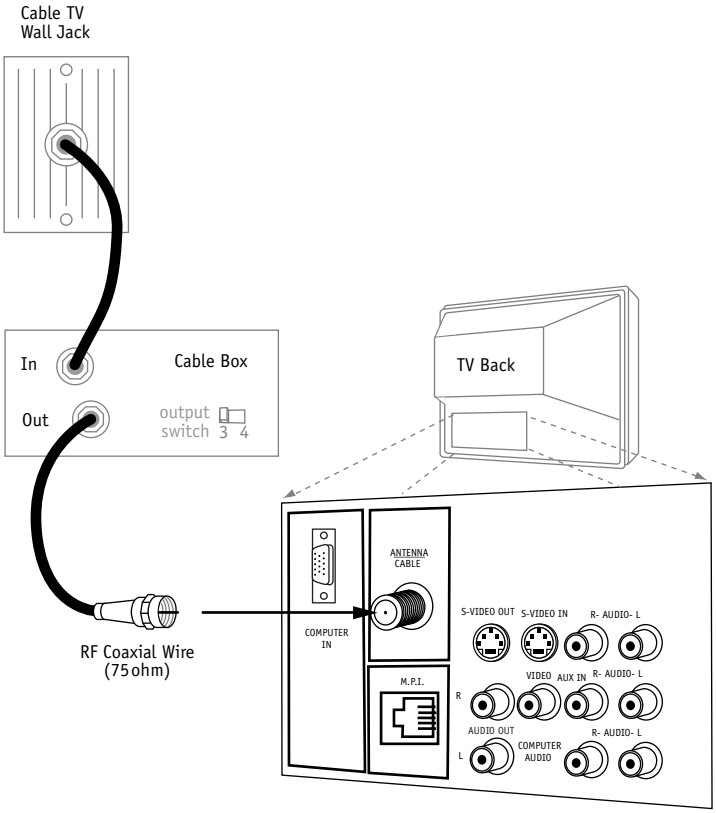
3 Remove the back of the remote and put in two AAA batteries.



4 Plug in the TV. The Presentation TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.



5 Go to page 21 to Auto Program the Presentation TV.

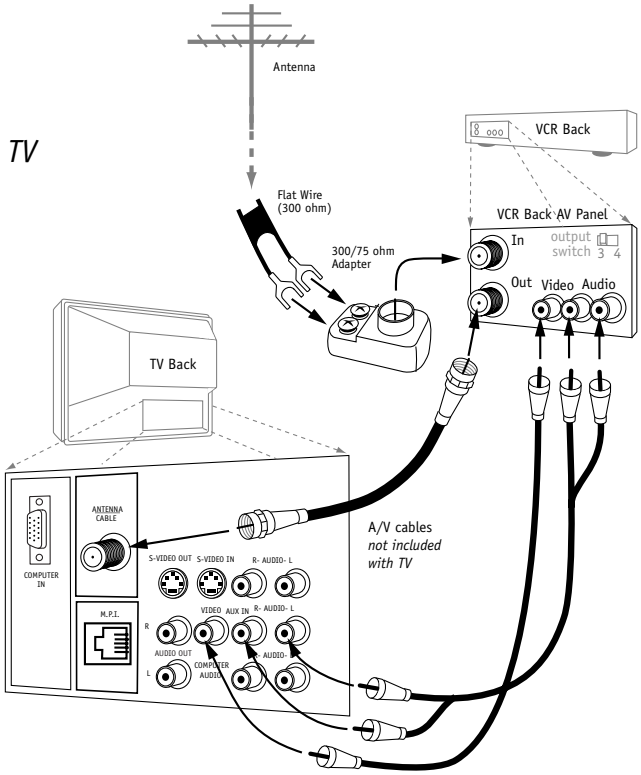


If you're using a cable box, leave the TV on channel 3 or 4 and use your cable box to change channels.

If you're using a cable box, Auto Program might only find the channel your cable service is on (usually channel 3 or 4). Don't worry, that's all you need!

Hook Up Antenna and VCR to the TV

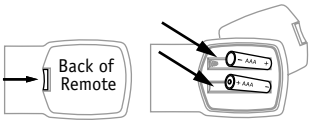
Connect an off-air antenna and VCR to the Presentation TV



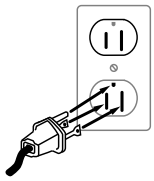
1 Locate the Antenna/Cable In jack on the back of the VCR.

2 Connect the cable that runs from the antenna directly to this jack, according to one of the diagrams to the right.

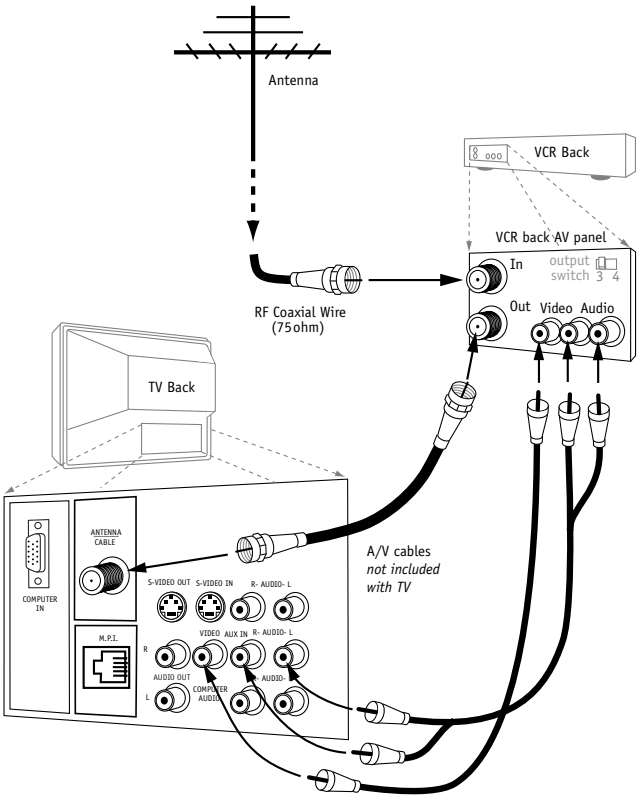
3 Remove the back of the remote and put in two AAA batteries.



4 Plug in the TV. The Presentation TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.



5 Go to page 21 to Auto Program the Presentation TV.

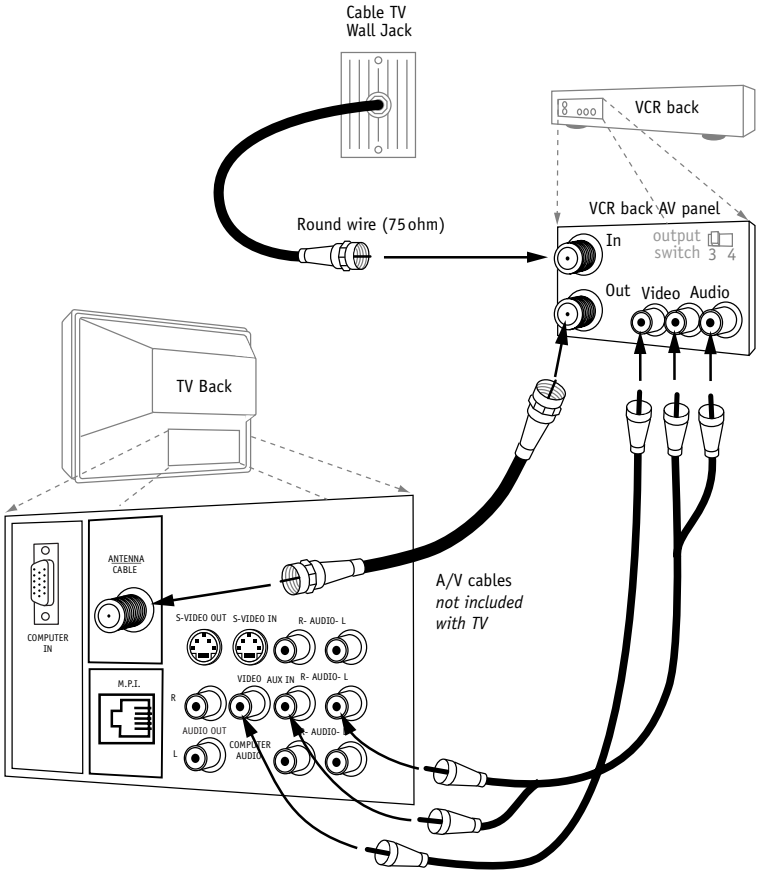


No A/V cables are included with the Zenith Presentation TV.

Without A/V cables, most VCRs will not play videocassettes in stereo sound.

Hook Up Cable Service (CATV) and VCR

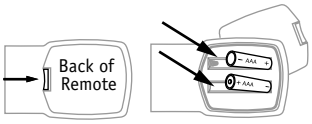
Connect a VCR and Cable service to the Presentation TV



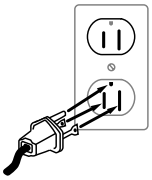
1 Locate the Antenna/Cable In jack on the back of the VCR.

2 Connect the cable that runs from the wall, according to one of the diagrams at the right. Make other connections as shown.

3 Remove the back of the remote and put in two AAA batteries.



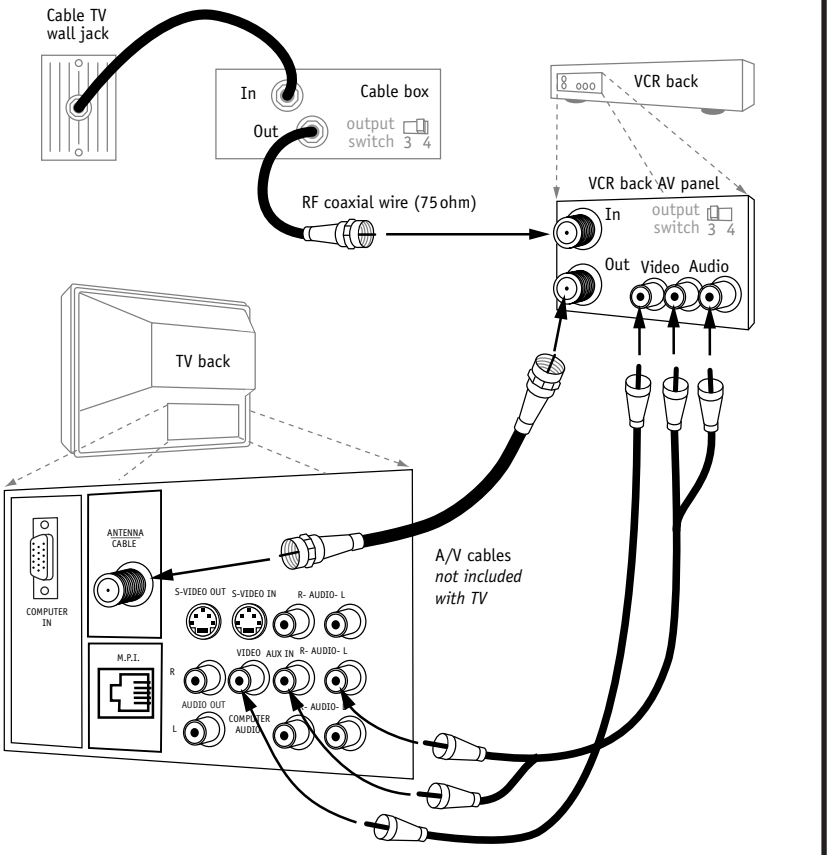
4 Plug in the TV. The Presentation TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.



5 Go to page 21 to Auto Program the Presentation TV.

Leave the VCR and the television tuned to channel three and use the cable box to change channels.

No A/V cables are included with your Presentation TV. Without A/V cables, most VCRs will not play videocassettes in stereo sound.

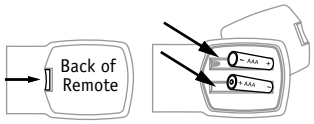


Hook Up an S-VHS VCR to your TV

Your Zenith TV may be connected to a Super-VHS VCR through the S-Video Input located on the connection panel on your TV. Also, you may "daisy chain" up to five TVs to one Super VHS VCR through the special S-Video LOOP OUT connection.

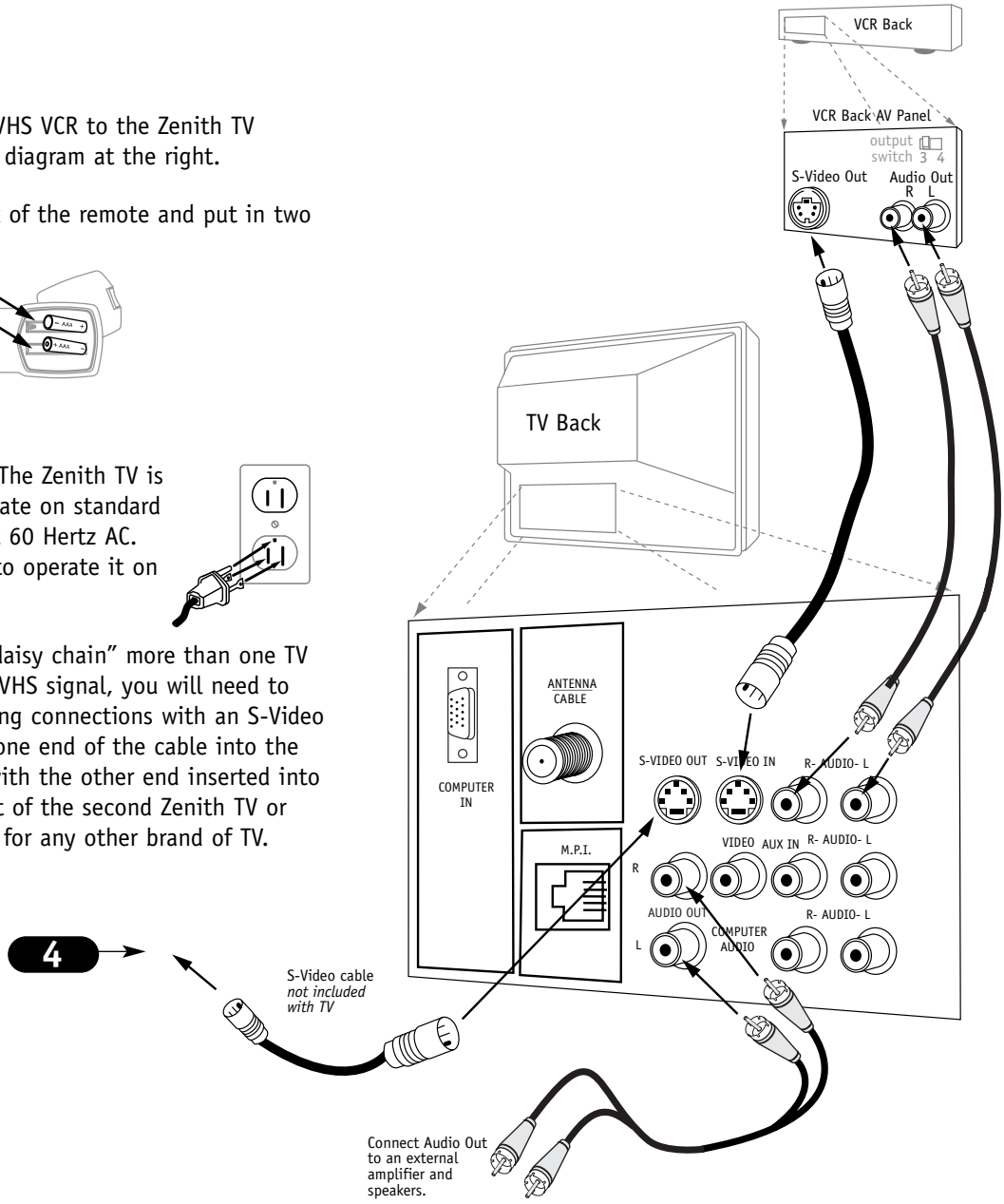
1 Hook up your S-VHS VCR to the Zenith TV according to the diagram at the right.

2 Remove the back of the remote and put in two AAA batteries.



3 Plug in your TV. The Zenith TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current.

4 If you wish to "daisy chain" more than one TV to receive the S-VHS signal, you will need to make the following connections with an S-Video cable, inserting one end of the cable into the LOOP OUT port with the other end inserted into a S-Video In port of the second Zenith TV or equivalent input for any other brand of TV.

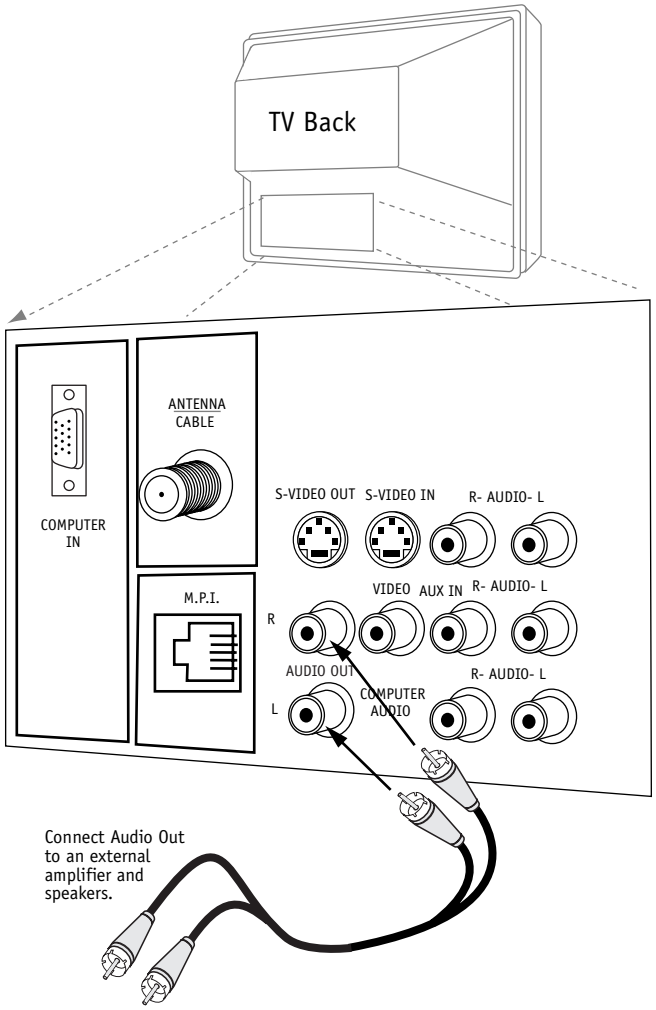


Audio Out Hookup

You can send the sound from the TV to an external amplifier

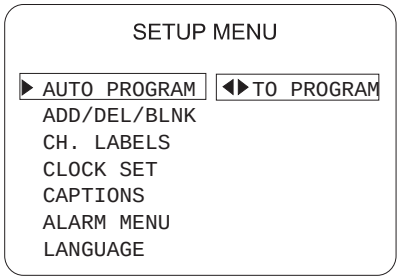
1 Audio Output: Use the Left and Right Audio Out jacks to connect an external amplifier and speakers. (Refer to the Audio Menu page for instructions on how to turn the TV's internal speakers off and on.)

2 Control the Volume level settings using your external amplifier.



Auto Program (Channel Search)

Use Auto Program to specify Antenna or cable service incoming signal source and automatically store all of the channels found by the channel search



1 With the remote control in hand, press the POWER key to turn on the Presentation TV.

2 Press MENU repeatedly until the Setup menu appears.

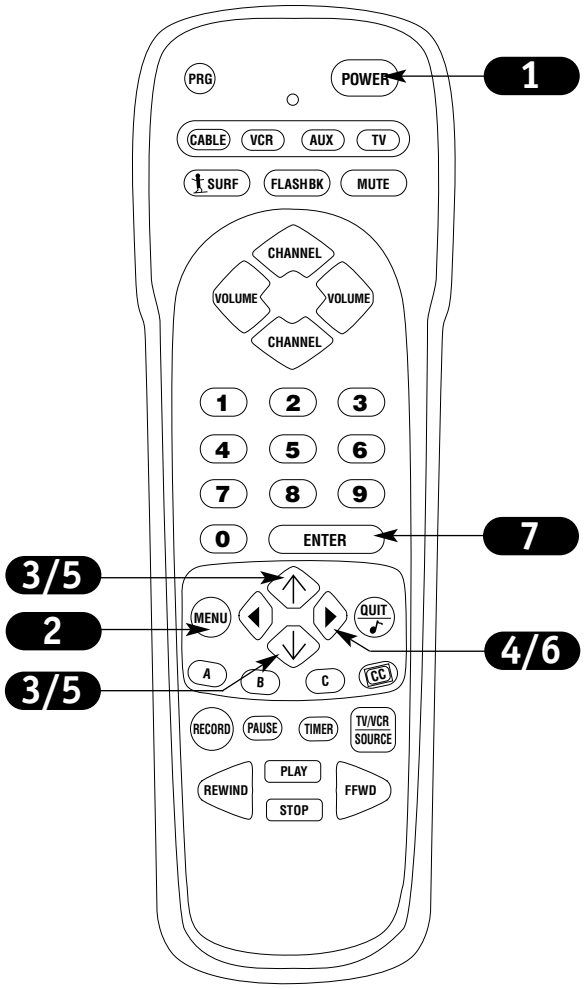
3 Using the Up/Down arrow on the remote control, highlight Auto Program on the screen.

4 Press the Right or Left arrow to go to the Auto Program menu.

5 Using the Up/Down arrow, choose either Cable TV or Off-Air Antenna on the screen.

6 Press the Right or Left arrow to begin the Channel Search.

7 Press ENTER when the channel search is done.



Note: Auto Program finds channels being received by the TV tuner.

Cable will not work unless you subscribe to a cable service.

Mini glossary

OFF-AIR-ANTENNA	If only over-the-air channels are available, select Antenna.
CABLE	If you subscribe to a cable service, select Cable.

Using the front control panel to access the menus

1 To access the menus, press the MENU button on the control panel. Cycle through the various menus by pushing the button repeatedly.

2 Press the SELECT button repeatedly to highlight the option you want to modify.

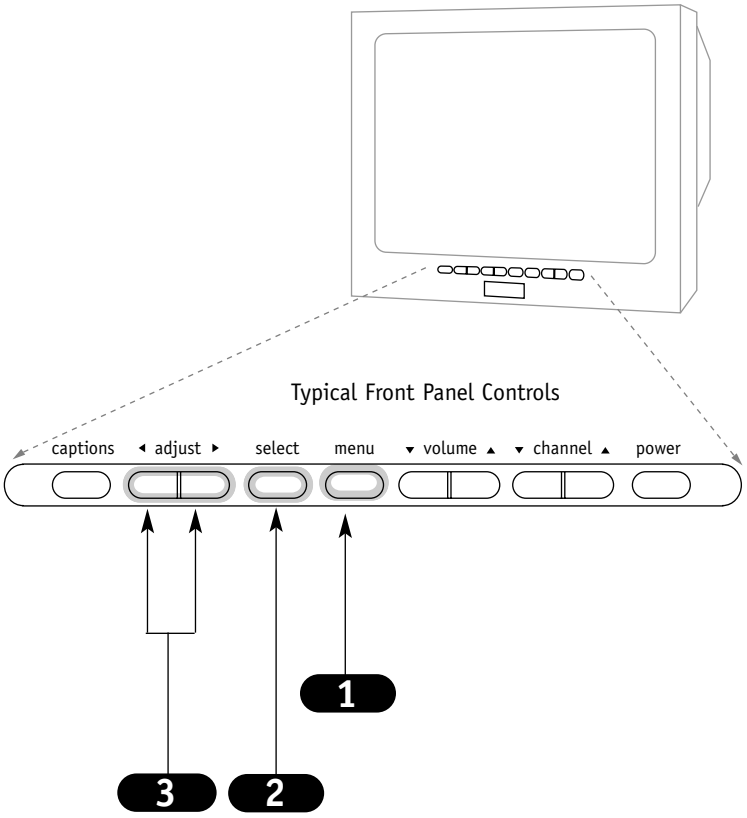
3 Press either the Right or left ADJUST button to modify the selected option.

4 The menu will disappear after a few seconds.

There are three jacks on the front of the Presentation TV that make connecting Audio/Video devices like camcorders very simple.

To use the front jacks as the signal source, simply plug a composite video cable into the VIDEO jack. The TV will automatically change its source setting to CamPort, as indicated on the channel selection screen.

Auto Sense source connections override all other sources. The front Video In jack and the front Computer In connector are Auto Sense source inputs. If you have device(s) connected to either of these jacks, you will not be able to change channels until you have disconnected the device(s).



Typical Front Panel Controls

Left/Right Audio (Input)
Connects the audio output from external stereo audio devices.

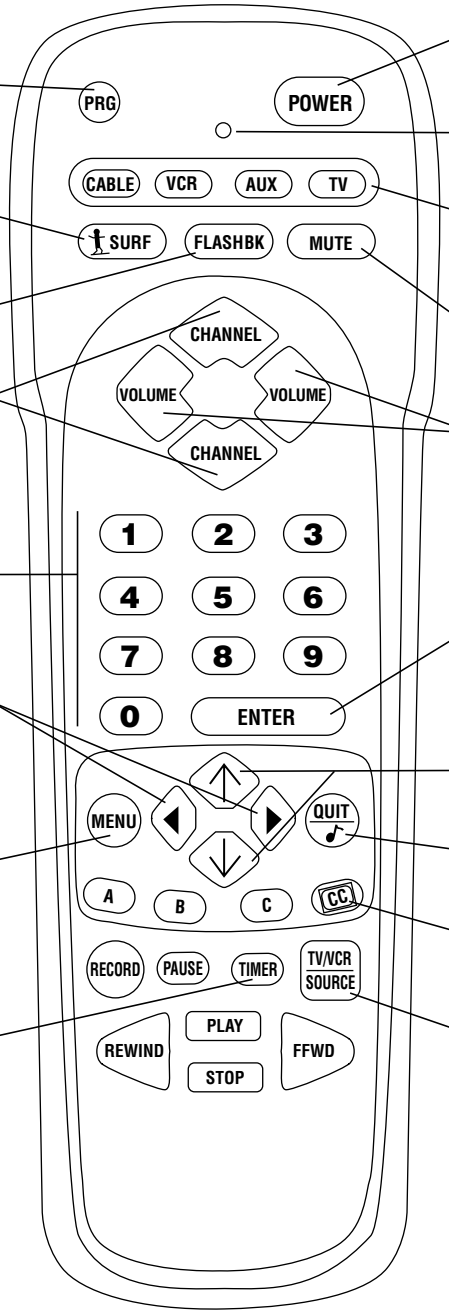
ComPort™ Front Computer (Input)
Used for 800 x 600 60Hz SVGA type computer hookup.

CamPort™ Front Video (Input)
Connects the video output from external video devices.

ComPort™ and CamPort™ are trademarks of Zenith Electronics Corporation

Remote TV Mode Key Functions

To put remote into TV operating mode, press TV



PRG (PROGRAM)
Programs remote to operate other products.

SURF
Access Channel preview and sources menu.

FLASHBK (FLASHBACK)
Returns to the last channel viewed.

CHANNEL (UP/DOWN)
Chooses next higher/lower available channel.

NUMBER KEYPAD
Selects channels directly and enters numeric values for some options.

LEFT/RIGHT ARROWS
The Left/Right arrows *adjust* menu options.

MENU
Displays on-screen menus for TV mode.

TIMER
Displays the Sleep Timer Menu.

POWER
Turns TV On or Off.

LED INDICATOR LIGHT
Lights when keys are pressed.

CABLE/VCR/AUX/TV (MODE KEYS)
Switches remote mode to control other devices. AUX is for optional devices.

MUTE
Turns sound Off and On while the picture remains.

VOLUME LEFT/RIGHT
Adjusts the sound levels on your Presentation TV.

ENTER
Shows the Channel/Time display. Press after channel numbers for instant selection.

UP/DOWN ARROWS
The arrows *select* menu options.

QUIT
Not functional.

CC (CLOSED CAPTIONING)
Displays the closed captions/text menu.

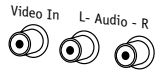
TV/VCR-SOURCE
Switches between watching TV through the available sources.

Keys dedicated to VCR functions will still operate your VCR while the remote is in TV mode.

remote control part number
MBR3447CT
124-233-04

Picture/Sound Source Selection

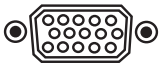
Make connections, use the TV/VCR Source key, or use Channel Up/Down to choose the available picture and sound sources to appear on the TV screen



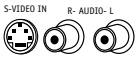
1
Front
(Camport)

4
Rear
(Aux)

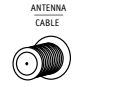
computer in



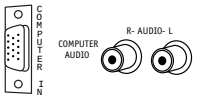
2
Front
Computer In



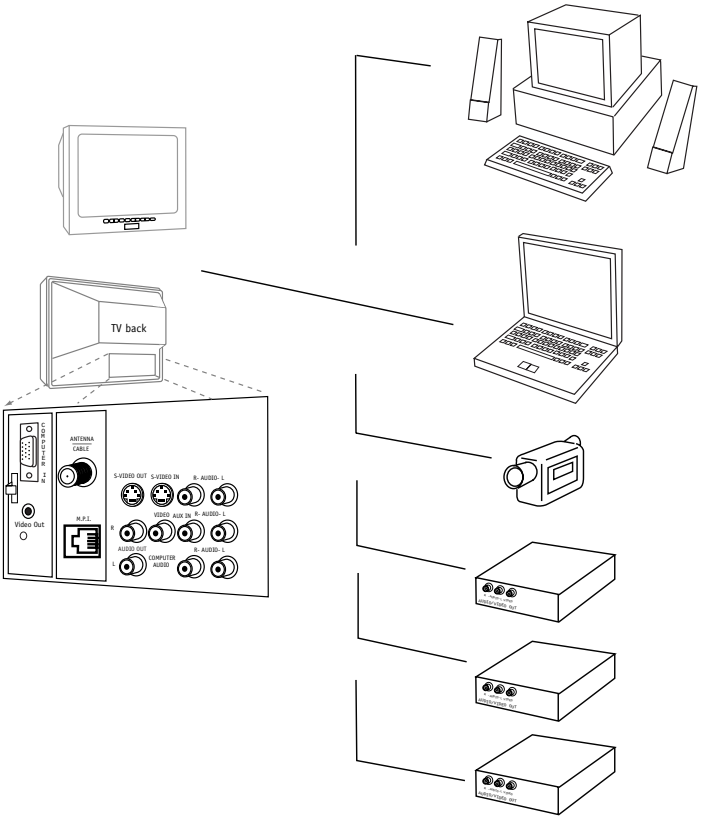
5
S-Video



3
Rear
(Ch_ _)



6
Rear
Computer
SVGA



1 Make connections to Front Audio/Video In or Front Computer In, to use these Auto Sense sources, disconnect device(s) when finished.

2 To access other available sources, press TV/VCR SOURCE repeatedly to show selectable sources on the screen. Highlight the source you want to display, then press ENTER to change to the source. Note: The rear Audio/Video In jacks can be selected by keying in 999 on the remote number keypad

Auto Sense source connections override all other sources. The front Video In jack and the front Computer In connector are Auto Sense source inputs. If you have device(s) connected to either of these jacks, you will not be able to change channels or sources until you have disconnected the device(s).

Priority of Source Selection

Typical Auto Sense Sources available if the Auto Sense feature is on.

1st. Front Audio/Video In (CamPort) *-No other sources available*
2nd. Front Computer In (ComPort) *-No other sources available*

Other Selectable Sources if:

1. Front Audio/Video In, *is not connected, then.*
2. Front Computer In, *is not connected, then.*

3rd. Antenna/Cable
4th. Aux Video
5th. S-Video
6th. Rear Computer SVGA

Select 3, 4, 5, and 6 using TV/VCR Source, or the Source menu.

Note: Auto Sensing can be disabled and source priority selection can be changed in the service menu, see service manual.

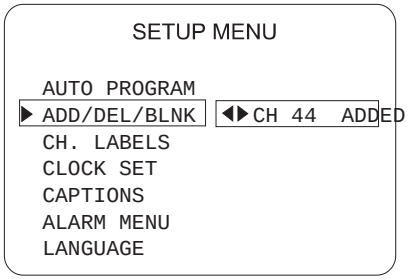
Descriptions of the menus and on-screen displays

Using the MENU key and other keys indicated on the remote, the user can access the menus and displays described below.

Menu Name	Page	Description
		ON-SCREEN MENUS
SETUP MENU		Adjusts the basic characteristics of the TV
Auto Program	26	Automatically finds and stores active channels to scroll through using Channel Up/Down.
Add/Del/Blnk	27	Manually picks and chooses which active channels will appear when using Channel Up/Down.
Channel Labels	29	Label the channels with their network names (ABC, CBS, HBO, etc.).
Custom Ch Labels	28	Create your own custom channel labels.
Clock Set	29	Sets the time.
Captions	30	Sets the Caption/Text options.
Alarm Menu	31	Sets a time for the TV to automatically turn itself on.
Language	32	Picks the language the on-screen menus will appear in.
AUDIO MENU	33	Customizes the sound. The options are: Bass, Treble, Balance, Audio Mode, SoundRite, Front Surround, Speakers, Audio Pref.
VIDEO MENU	34	Customizes the picture. The options are: Contrast, Brightness, Color, Tint, Sharpness, Picture Pref.
PARENTAL	35	Allows user to block program content or the A/V sources for up to 99 hours, with the use of a password.
CONTROL MENU		
SOURCE MENU	37	Selects between available viewing sources; press TV/VCR/SOURCE to activate.
		OTHER MENUS AND ON-SCREEN DISPLAYS
Channel/Time	38	Shows the current time, channel, video and type of incoming audio signal, or mute.
Alarm	38	TV turn on time status indicator.
Sleep Timer	38	Sets a preset time that the TV will turn off to a maximum of four hours; press TIMER to activate.
Volume	38	Shows current sound level setting; press VOLUME Up/Down to activate.
Captions/Text	38	Use to select Caption/Text options; press CC to activate.
Ch Preview	38	Displays the available channels list; press SURF to activate.

Setting Add/Delete/Blank

Fine-tune the channel selection list



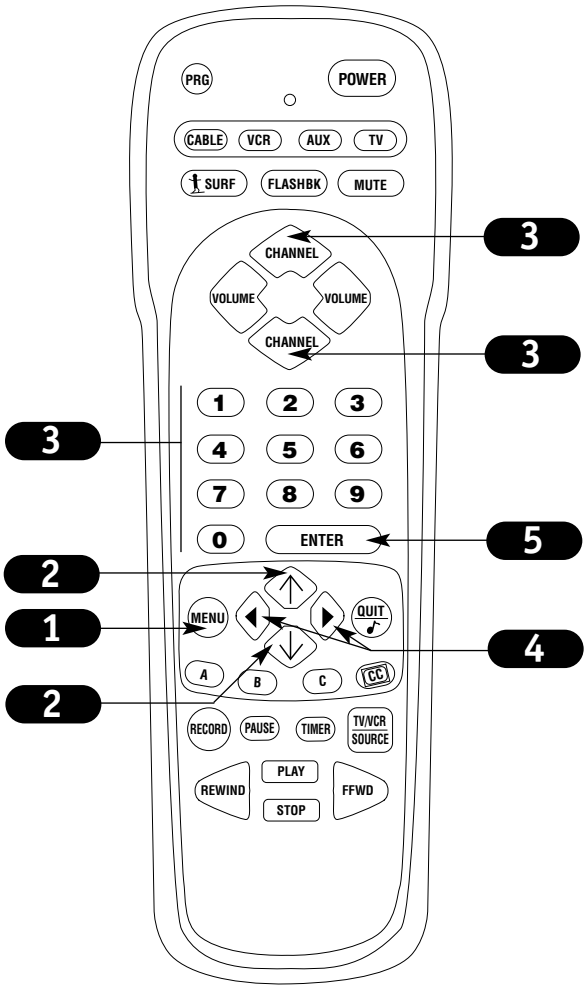
1 Press MENU on the remote repeatedly until the Setup menu appears.

2 Press the Up/Down arrow repeatedly to highlight the Add/Del/Blnk option.

3 Using either the NUMBER keypad and ENTER or the Channel Up/Down arrows on the remote, select a channel. (If adding a deleted channel, you will need to use the NUMBER keypad and ENTER.)

4 Using the Right or Left arrow, choose whether that channel is Added, Deleted, or Blanked.

5 To continue, select another channel and repeat Step 3. When you are finished, press ENTER to remove menu.



Menu Operation/Front Control Panel
The menus can also be operated by using the TV front control panel buttons. See page 22 for menu operation instructions. If you need to key-in numbers, use the remote control.

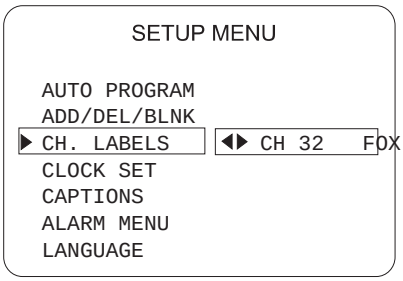
If you delete a channel, it isn't gone for good. Just select it using the NUMBER keypad on the remote, or add it later.

Mini glossary

ADD	Adds new channels to the list that the user can scroll through when using the remote.
DELETE	Removes channels for one reason or another from the list that the user can scroll through.
BLANK	Removes the video and audio signal from a channel.

Using Preset Channel Labels

Customizing channel names with the Preset Channel Labels (Or, see the next page to create your own custom channel labels)



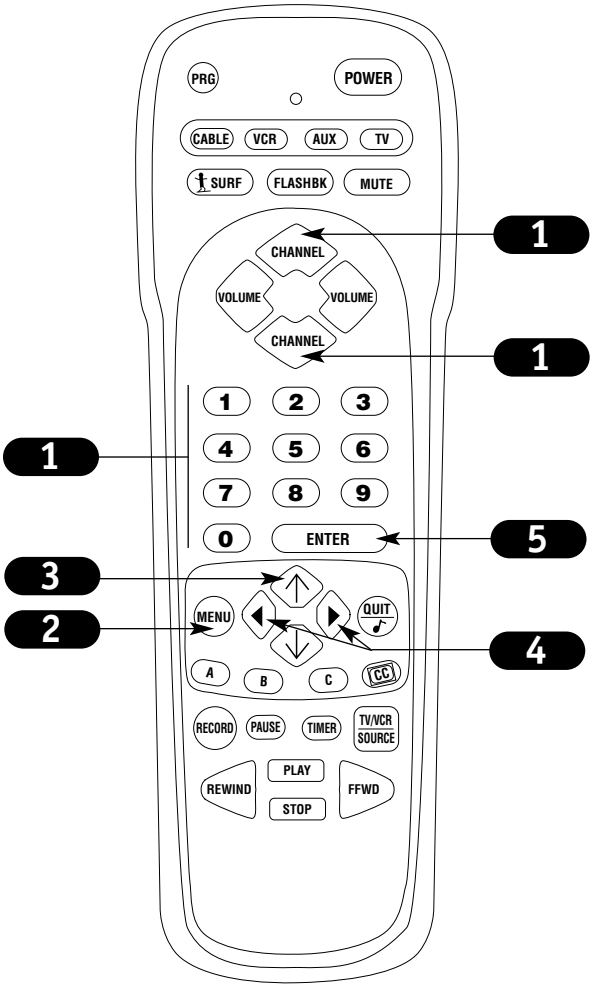
1 Using either the NUMBER keypad or the Channel Up/Down arrows on the remote, select a channel.

2 Press MENU on the remote repeatedly until the Setup menu appears.

3 Choose the Ch Labels option using the Up/Down arrow.

4 Pressing either the Right/Left arrow repeatedly, pick the label you want from the available preset selections; such as A & E.

5 To continue channel labeling, select another channel or if you are finished, press ENTER to remove menu.



Some channels already provide a channel label which is included with the broadcast signal.

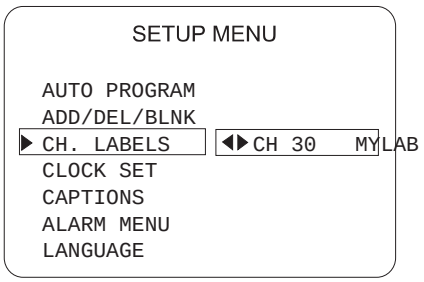
Labeling the channels helps the identify which familiar nationwide channels are available. i.e., A & E -Arts and Entertainment, CNN - News, ESPN - Sports, HBO - Movies and so on...

Mini glossary

- - - -	The 4 dashes will allow a channel label to appear; if one is provided by the broadcaster.
NONE	Prevents any channel label from appearing.
LAB 1, thru **LAB 20**,	Are the 20 programmable labels. These 20 labels can be customized with 5 characters spaces available for each label, see next page.

Creating Your Own Channel Labels

Customize channel names by using your own custom channel labels



To Program a Channel Label

1 First select a channel using the NUMBER keypad and ENTER or the Channel Up/Down arrows, on the remote control.

(To select a deleted channel, use the NUMBER keypad and ENTER.)

2 To program a channel label, press MENU repeatedly to go to the Setup menu, then select CH LABELS.

3 Press the Right Adjust arrow to scroll the available preset labels. Scroll past - - - -, scroll past NONE, to go to the first programmable label slot, LAB 1 (Label 1). Notice that the label appears with the title LAB 1, and is also on a dark background; which will distinguish it from the preset labels.

Operating the Custom Labels Menu

4 Use Volume Up/Down to select the first letter.

a. Press MUTE to clear the label if necessary.

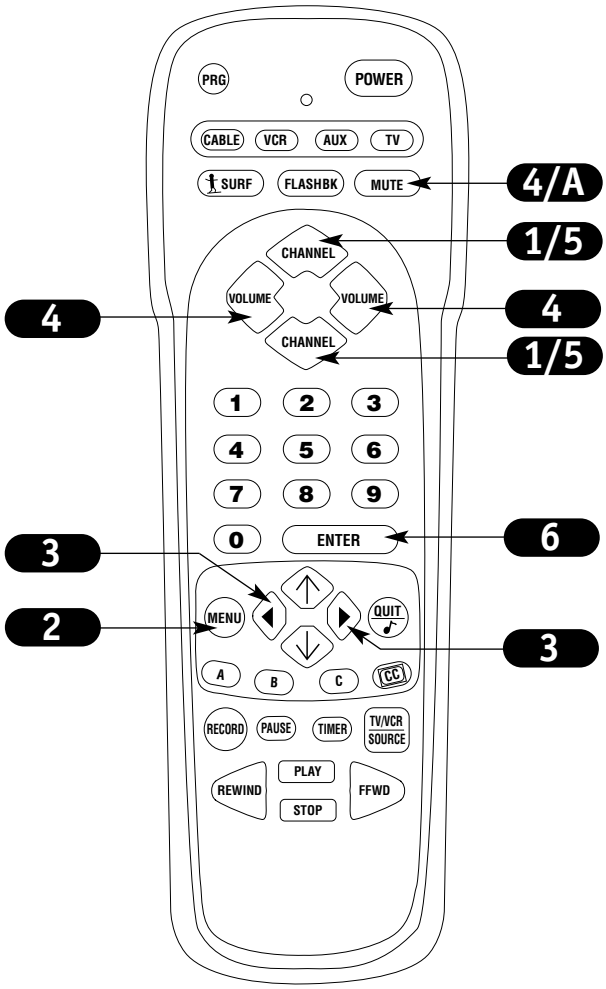
5 Use Channel Up/Down to scroll through and change the character to one of the 255 characters available.

Repeat Steps 4 and 5 to set characters for the other spaces available on the label.

6 Press ENTER to remove menu when finished.

Menu Operation Notes:

Adjust Left/Right	Switches to the next label. - - moves to the next or previous label.
Volume Up/Down	Selects character spaces - - moves to the next or previous character space.
MUTE	Removes current label, - - if first character space is selected.
Channel Up/Down	Scrolls through the available characters.
ENTER	Accept the channel label and removes the menu.



Mini glossary

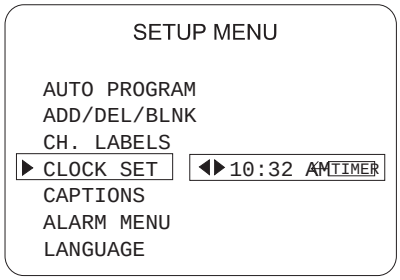
- - - - The 4 dashes will allow a channel label to appear; if one is provided by the broadcaster.

NONE Prevents any channel label from appearing.

LAB 1, Are the 20 programmable labels. They can be customized for your needs with 5 characters spaces available on each label.
thru **LAB 20**,

Set the Clock

Set the clock on the Presentation TV

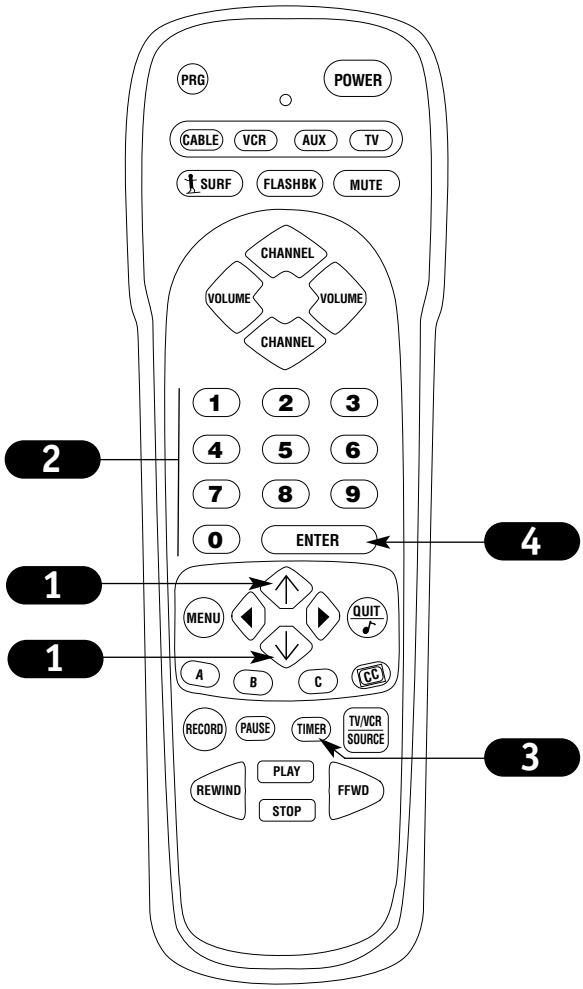


1 With the Setup menu displayed, use the Up/Down arrow to highlight the Clock Set option as shown.

2 Set the current time; use the NUMBER keypad to key-in the hours, then minutes. For example, press 06, then 30, to set 6:30 on the clock.

3 Use the TIMER key to set AM or PM, as shown on the menu.

4 Press ENTER to start the clock and return to TV viewing.

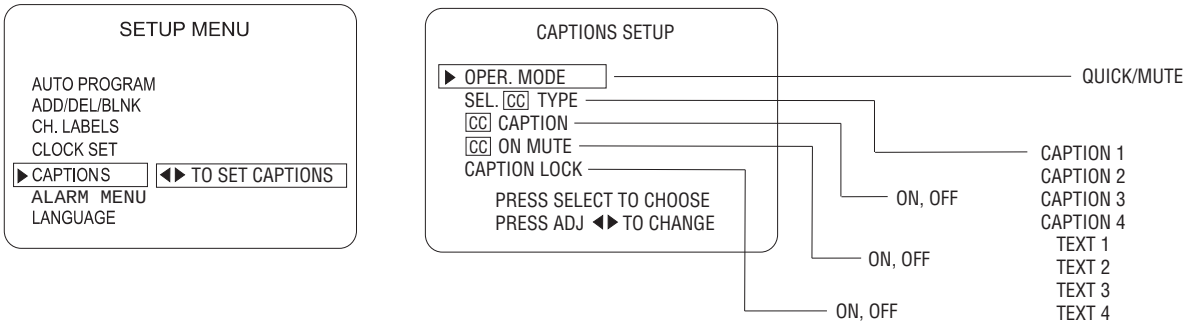


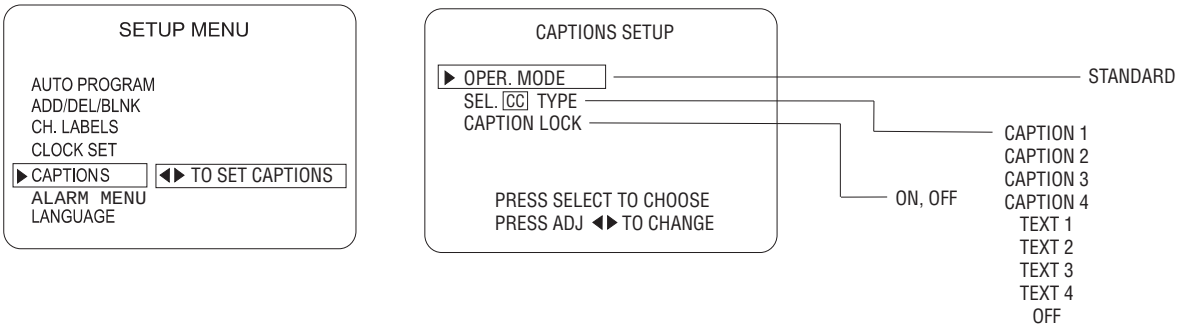
Mini glossary

TIME	A four-digit figure broken down into hours and minutes, that is used to enter the current time when setting the clock.
HOURS	The first two digits that are entered when setting the clock.
MINUTES	The last two digits that are entered when setting the clock.
TIMER	Used to choose AM or PM when setting the clock.

Captions (Caption/Text Setup)

Set up Closed Caption/Text options for the user





Closed Captions/Text Operating Modes Setup

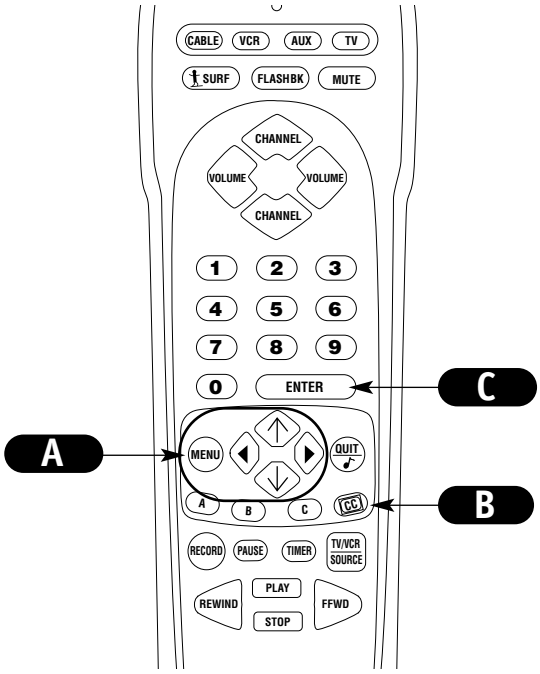
Use MENU, SELECT (Up/Down, and ADJ Left/Right arrows to choose the Closed Captions/Text mode and to set up the other menu options for the user.

Quick/Mute	When CC is pressed: User can only turn Captions on/off. (If CC on Mute is on, shows captions option on mute.) (If locked, type is retained with Power on/off.)
Standard	When CC is pressed: User can choose a captions type. (If locked, type is retained with Power on/off.)

Press ENTER repeatedly until all menus are removed from screen.

Standard closed captioning is available using the Caption 1 option.

Caption/Text are features which allow the Concierge TV to receive the closed caption and/or text options if made available by the broadcaster.
Availability and functionality of Caption/Text options are determined only by each broadcaster and may not be available in your area.

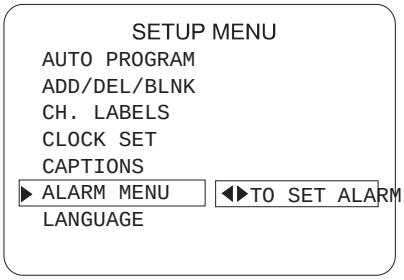


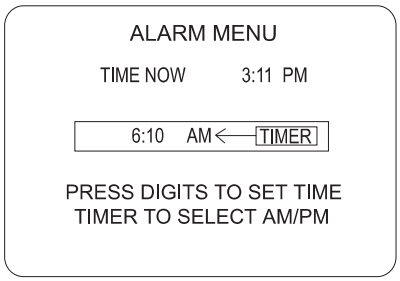
Mini glossary

CAPTIONS	The term for the words that scroll across the bottom of your TV screen; usually the audio portion of the program provided for the hearing impaired.
TEXT	The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

Setting the Wake Up Alarm

Use the Alarm menu to set a time for the TV to automatically turn itself on





1 With the Alarm Menu option highlighted in the Setup menu, press the Left/Right arrow to go to the menu.

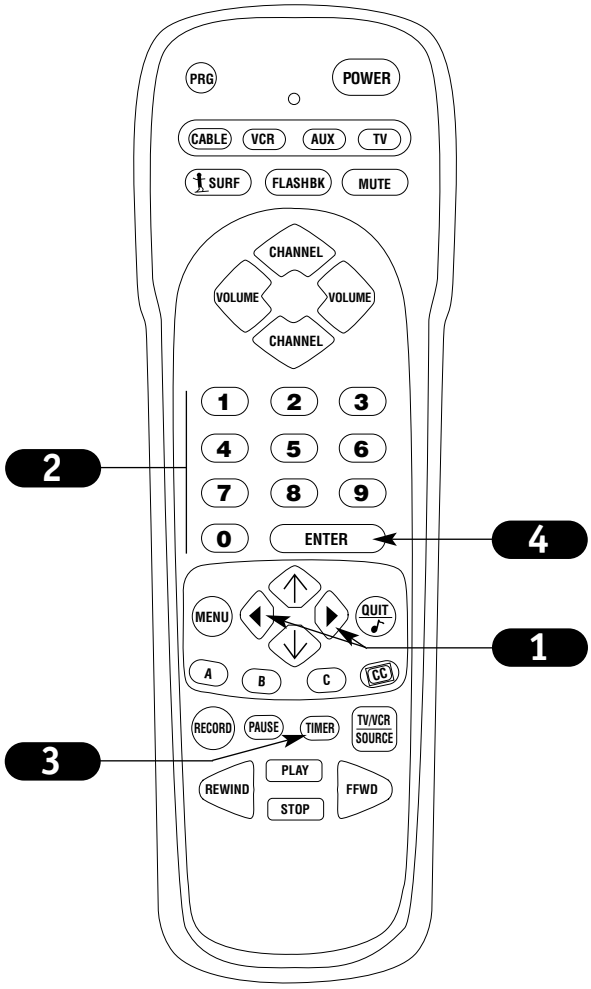
2 Using the NUMBER keypad, set the time you want the TV to turn on. For example, to set 7:30 AM, press 0, 7, 3, 0.

3 Use TIMER to choose AM or PM, as shown on the menu.

4 Press ENTER to remove menu from screen.

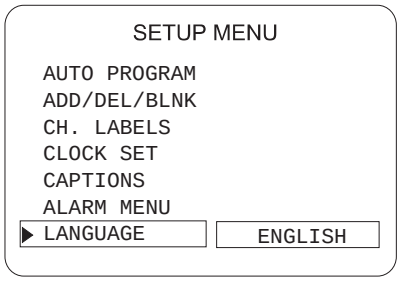
The alarm will only work if the TV is turned off.

Be sure the TV's internal clock is set to the current time, so that the wake up alarm will work properly.



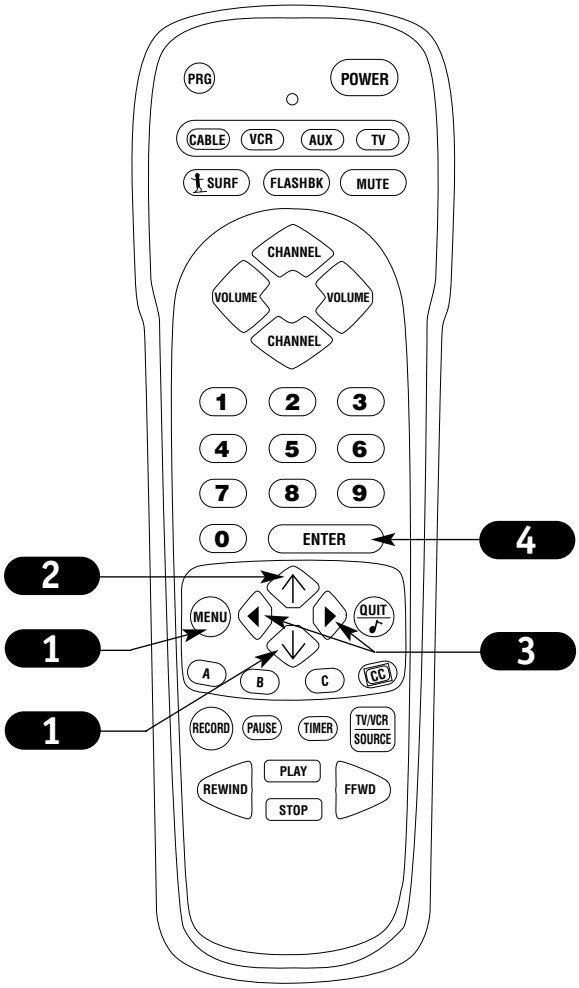
Language

Choose the language for the on-screen menus



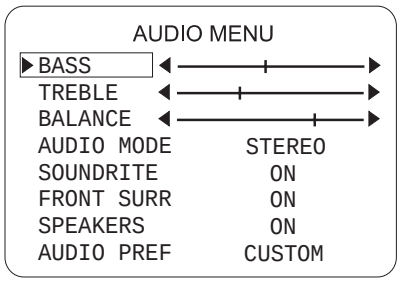
1. Press MENU on the remote repeatedly until the Setup menu appears.
2. Use the Up/Down arrow on the remote control to highlight Language on your screen.
3. Use the Left/Right arrow to choose one of the following options: English, Spanish or French.
4. Press ENTER to return to TV viewing.

Menu Operation/Front Control Panel
The menus can also be operated by using the TV front control panel buttons. See page 22 for menu operation instructions. If you need to key-in numbers, use the remote control.



Audio Menu

Customize the sound coming from the TV



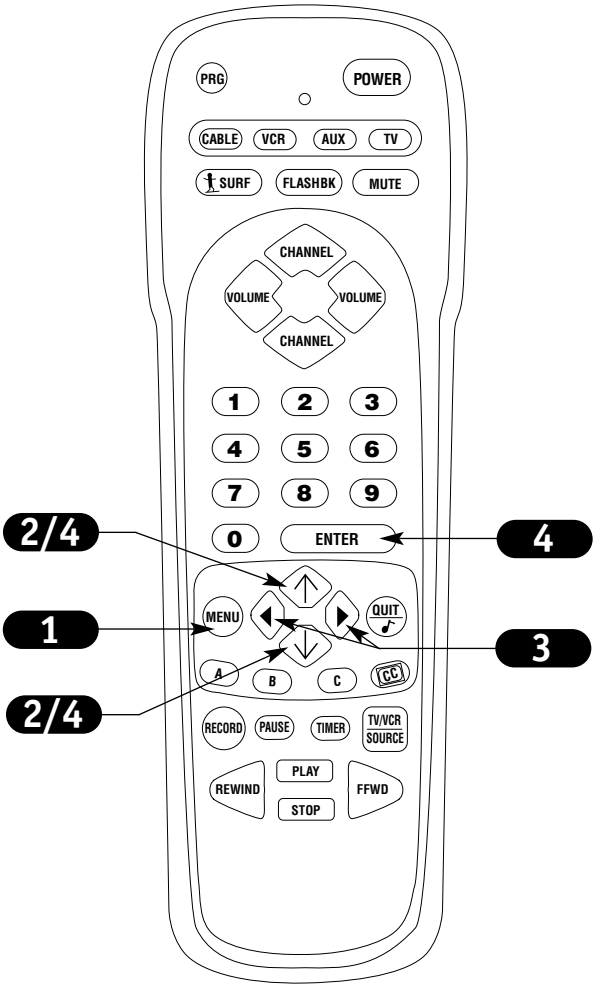
1 Press MENU repeatedly on the remote control until the Audio menu appears.

2 Using the Up/Down arrow on the remote control, highlight the audio option you want to change. Choose from:

- **Bass**: Increases/decreases lower-end sounds.
- **Treble**: Increases/decreases higher-end sounds.
- **Balance**: Allows you to put the sound more to the left or right channel.
- **Audio Mode**: Choose from Stereo sound, Mono, or 2nd Audio/SAP.
- **SoundRite**: Turns the uniform volume feature on or off.
- **Speakers**: Turns the TV speakers on or off.
- **Front Surround**: Turns front surround on or off.
- **Audio Pref**: Selects Custom or Preset.

3 Use the Left/Right arrow to adjust or change the option you have selected.

4 Press ENTER to return to TV viewing, or use the Up/Down arrow and return to the Audio Menu to adjust other options.



Menu Operation/Front Control Panel
The menus can also be operated by using the TV front control panel buttons. See page 22 for menu operation instructions. If you need to key-in numbers, use the remote control.

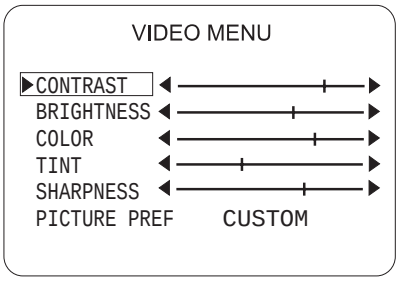
Not all programming is broadcast in stereo sound or has 2nd Audio SAP.

Mini glossary

STEREO SOUND	Stereo (stereophonic) sound refers to audio that's divided into right and left sides.
MONO SOUND	Mono (monaural) sound is one channel of sound. On more than one speaker, all the speakers play the same audio.
CUSTOM	Your own audio menu settings.
PRESET	Original audio menu values before any custom changes have been made.

Video Menu

Use the TV Video Menu to customize the picture to your preference



1 Press the MENU key repeatedly until the Video menu appears. Your options are:

- **Contrast**: Adjusts the level of difference between white and black in the TV picture. The more contrast, the brighter the picture appears.
- **Brightness**: Increases or decreases amount of white in the TV picture.
- **Color**: Adjusts levels of all colors in the TV picture.
- **Tint:** Adjust the relative amounts of the color red and green in your picture.
- **Sharpness:** Raise or lower the definition of the picture. The lower the level, the softer the image will appear..
- **Picture Preference**: Choose either Custom or Preset. Custom allows you to set the picture the way you want. Preset moves all the above options back to their original, factory-set levels.

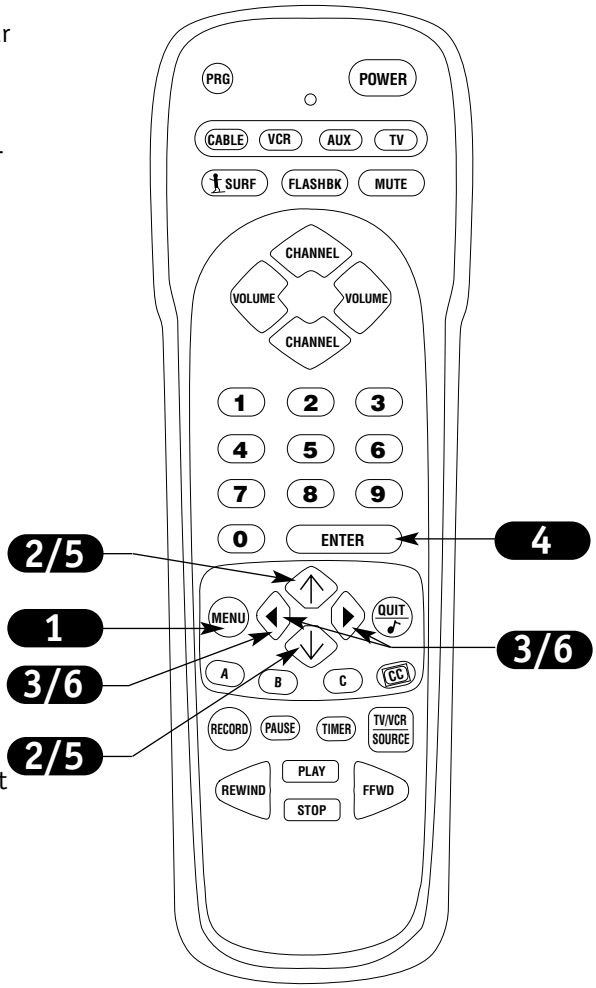
2 Using the Up/Down arrow on the remote control, choose Contrast on your screen.

3 Using the Left/Right arrow, change the contrast level to your preference.

4 Press ENTER, to return to TV viewing, or repeat from Step 2 to set the other menu options.

5 Use the Up/Down arrow to choose Picture Preference onscreen.

6 Use the Left/Right arrow, to choose either the original settings with Preset, or use your own settings with Custom.



Menu Operation/Front Control Panel
The menus can also be operated by using the TV front control panel buttons. See page 22 for menu operation instructions. If you need to key-in numbers, use the remote control.

Choose the Preset option in Picture Preference to quickly reset the video menu settings to their original values.

Parental Control Menu

If used, this optional feature can "block" undesirable programming from appearing on the TV. Note: Parental Control is not available in Computer Mode. To block Computer inputs, use the block AUX SOURCES option in the Parental Control menu in TV Mode; computer inputs will not be available.

Parental Control offers the user a wide variety of options and settings that restrict or "block" the programming that can appear on the TV. Parental control allows the user the capability of defining which program rating they consider acceptable, to the younger or more sensitive viewer. It can be preset and turned either on or off by the user who specifies the secret 4-number code, the password. The number of hours blocked are specified. General audience and children viewer blocks should both be programmed into the TV's memory. Viewer ratings are specified for both TV and the motion picture industry; both rating systems should be used, for complete coverage. The ratings are based on the ages of children.

Overview

To insure complete coverage for all TV programs, (movies and regular TV shows) choose a rating for MPAA, from the selections below AND choose ratings from the TV Parental Guidelines Rating System on the next page, using the Age Block option for General Audiences, and for Children. In addition to those, you may wish to add additional restrictions from the Content Block menu. See the Parental Control menu, and submenus example on the next page.

Things to Consider before Setting Up Parental Control

Determine which rating you consider acceptable to the viewer. (For example, if you choose TV-PG, all more restrictive ratings will be automatically blocked; the viewer will not be able to see: TV-PG, TV-14, or TV-MA rated programming.)

Do you want to block the auxiliary video source entirely? (Blocks the signal sent by the equipment, such as a VCR, connected to the TV Audio/Video input jacks; in the Aux. Block option.) Or leave unblocked, then choose allowable ratings.

Block program "Content" based on individual parameters such as: Strong Dialog, Bad Language, Sex Scenes, Violence Scenes, or Fantasy Violence Scenes; in the Content Blk option.

How many hours do you want Parental Control to be active? You can set the Hours option for up to 99 hours.

Select a secret password; in the Set Password option. Use the number keys on the remote. Don't forget the password, it is the only way you can access the Parental Control menu and change rating selections, or turn Parental Control off.

Do you want Parental Control to be active all the time? If not, you can turn it on or off; with the Lock On/Off option.

You can set different Parental Control viewing restrictions for general audiences and for children - - both can be active at the same time.

Even if you choose to leave the Aux inputs unblocked, the ratings you specify will automatically restrict the programming that appears from the video sources.

Simply specifying one content block such as Sex Scenes, will not automatically block another content in the programs from appearing.

You cannot disable Parental Control by disconnecting the TV from power. Block hours will automatically reset to the original block time setting specified if power is disconnected.

Mini glossary

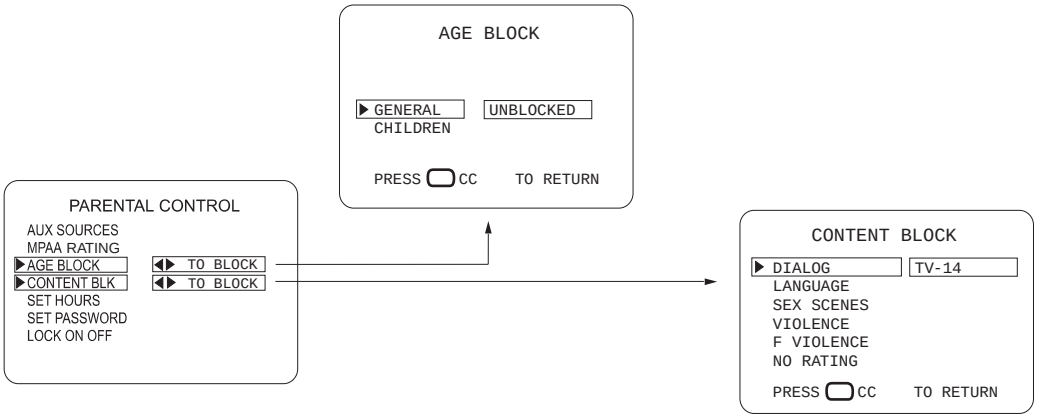
MOTION PICTURE ASSOCIATION OF AMERICA (MPAA) RATING SYSTEM

G	General Audiences	Content not offensive to most viewers.
PG	Parental Guidance Suggested	Content is such that parents may not want their children to view the program.
PG-13	Parental Guidance Suggested	Program is inappropriate for preteens, with a greater degree of offensive material than a PG rated program.
R	Restricted viewing	Not for children under age 17. Strong elements of sex and/or violence.
NC-17	Restricted Viewing	Not for children under age 17 under any circumstances. Strong sexual content.
X	Hard Core Films	Same as NC-17 rating.

Note: Zenith Electronics Corporation is not liable for any program content that appears when using this rating system; as always, user discretion is advised.

Parental Control Menu

After you have read the preceding page, follow instructions below to set up and activate Parental Control



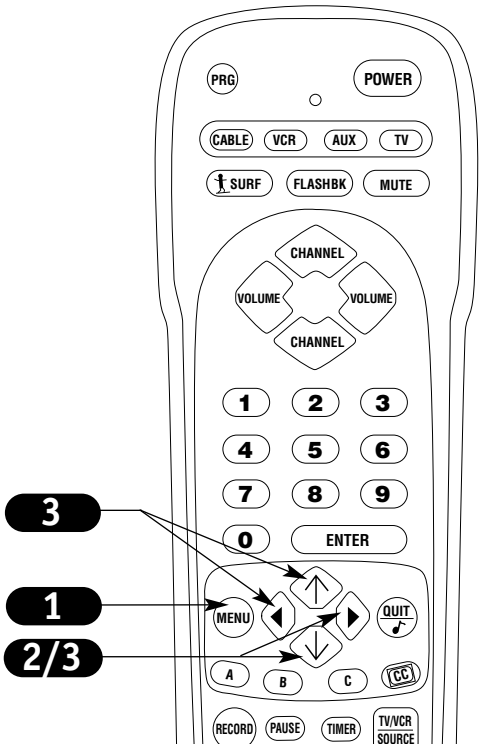
1 Press MENU repeatedly to go to the Parental Control menu.

2 As shown above, with the Parental Control menu on-screen, use the Up/Down arrow to highlight an option like Content Block, then press the Right arrow.

3 Use the Up/Down/Left/Right arrows to select and adjust or set the rating for an option. For Sex Scenes for example, use the "From TV-PG" setting. (See the Mini Glossary, Ratings Charts on this and the previous page for rating definitions.)

4 After you have selected and adjusted the parental control menu options to your preferences:
- Set the hours you want Parental Control active.
- Set a 4-number password.
- Set the Lock On/Off option to either On or Off.

No Rating means the broadcast does not include rating information. You can choose to block broadcasts without rating data.



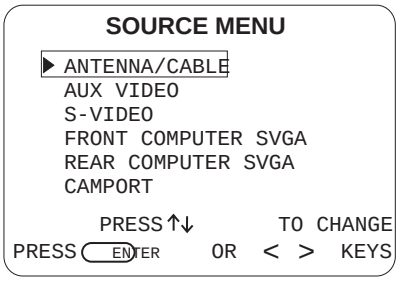
Mini glossary

TV PARENTAL GUIDELINE RATING SYSTEM

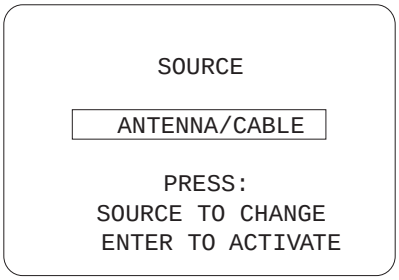
TV-G	General Audience	Considered suitable for all audiences; children may watch unattended.
TV-PG	Parental Guidance Suggested	Unsuitable for younger children, may contain: Suggestive Dialog, Bad Language, Sex, and Violence Scenes.
TV-14	Parents Strongly Cautioned	Unsuitable for children under 14, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.
CHILDREN'S CLASSIFICATIONS		
TV-Y	Children	Considered suitable for all children under 7 years old.
TV-Y7	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes.

Source Menu

Choose the source of the picture and sound



Selecting Viewing Sources Using Onscreen Menus



Selecting Viewing Sources Pressing TV/VCR Source Key on Remote

A **Source Selection**

Press TV/VCR SOURCE on the remote repeatedly to cycle through the available sources.
Note: See page 26 for source connection priorities.

1 **Source Selection using Source Menu**

Press MENU on the remote repeatedly until the Source menu appears.

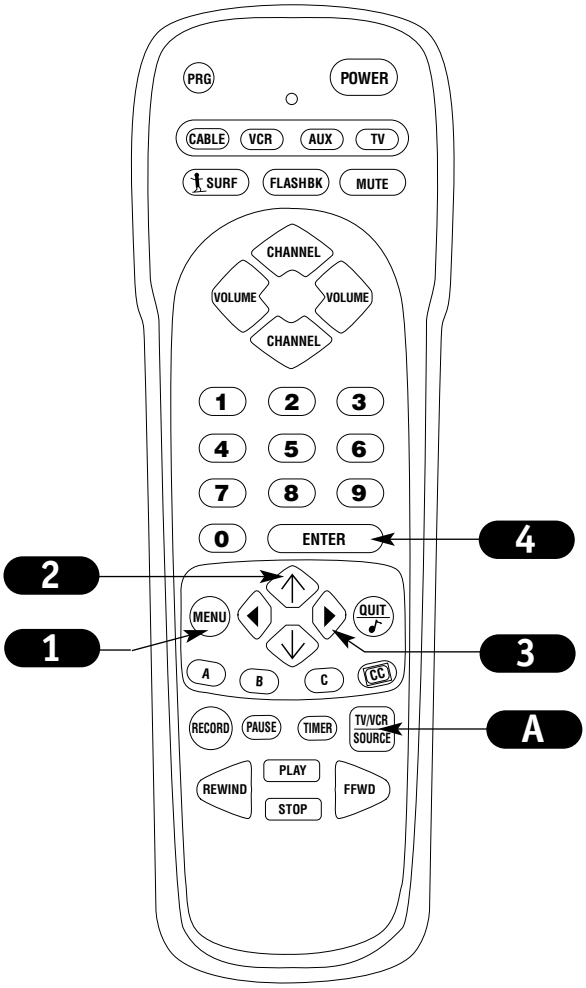
2 Use the Up/Down arrow on the remote control, to select a new source for the picture and sound that you want to to appear on your screen.

3 Press ENTER on the remote, to change to the new source, press ENTER again to remove menu and return to TV viewing.

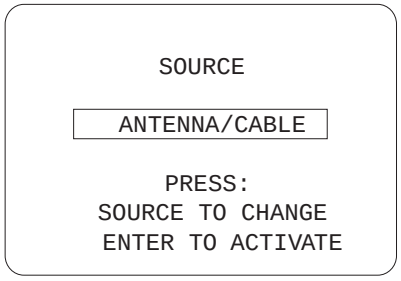
Menu Operation/Front Control Panel

The menus can also be operated by using the TV front control panel buttons. See page 22 for menu operation instructions.
If you need to key-in numbers, use the remote control.

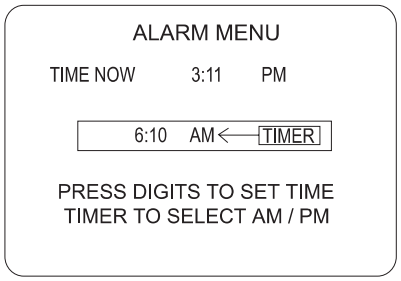
If you are unable to select connected sources, see the troubleshooting pages.



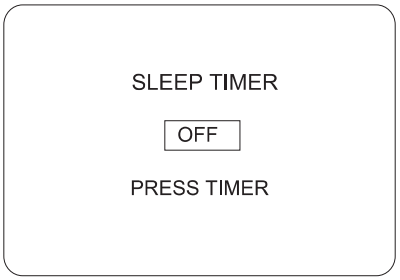
Press the remote keys indicated below to access these menus and displays



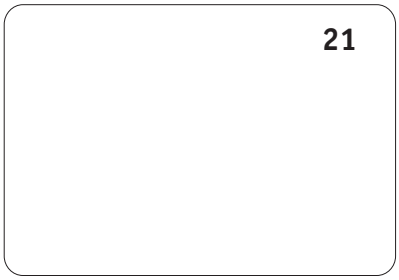
Source Menu
Press TV/VCR SOURCE. Gives access to available picture and sound sources.



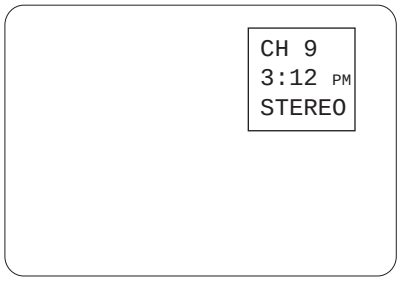
Alarm Menu
In the Setup Menu, select the ALARM MENU option. Sets a time that the TV will automatically turn itself on.



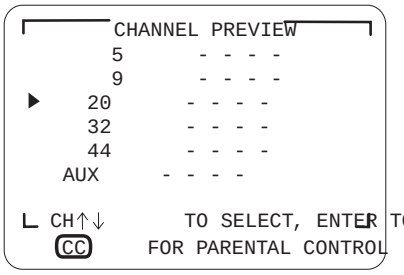
Sleep Timer Menu
Press TIMER. Shows remaining time before TV shutoff. Press TIMER repeatedly to set a preset turn-off time from 15 minutes to 4 hours.



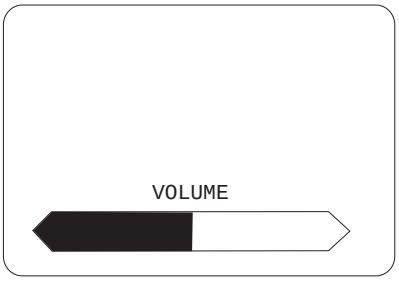
Ghost Channel Display
Channel number appears on the right side of the picture and slowly scrolls downward. To disable Ghost Channel, see Installation guide.



Channel/Time/Audio Display
Press ENTER. Shows currently selected channel or source, current time if the clock has been set, and incoming audio signal.



Ch Preview Menu
Press SURF. Displays list of the available TV Channels, sources, and provides Parental Control menu access.



Volume Display
Press VOLUME. Shows currently selected sound setting.

Closed Captions Menu
Press CC. Depending on Captions setup, turns selected Caption/Text option on and off.

Programming the Remote

Program the remote to control a variety of Audio/Video devices

1 The device you want to program should be ON.

2 Refer to the brand programming codes on pages 43/44 to find the type and brand name of the device you're programming. Make a note of the three-number code—you'll need it soon.

3 Press and hold the PRG key. It's recessed so it doesn't get pushed accidentally. When the indicator light turns on, you can release the key.

4 Push the key with the name of the device you're programming (VCR, CABLE, AUX, TV).

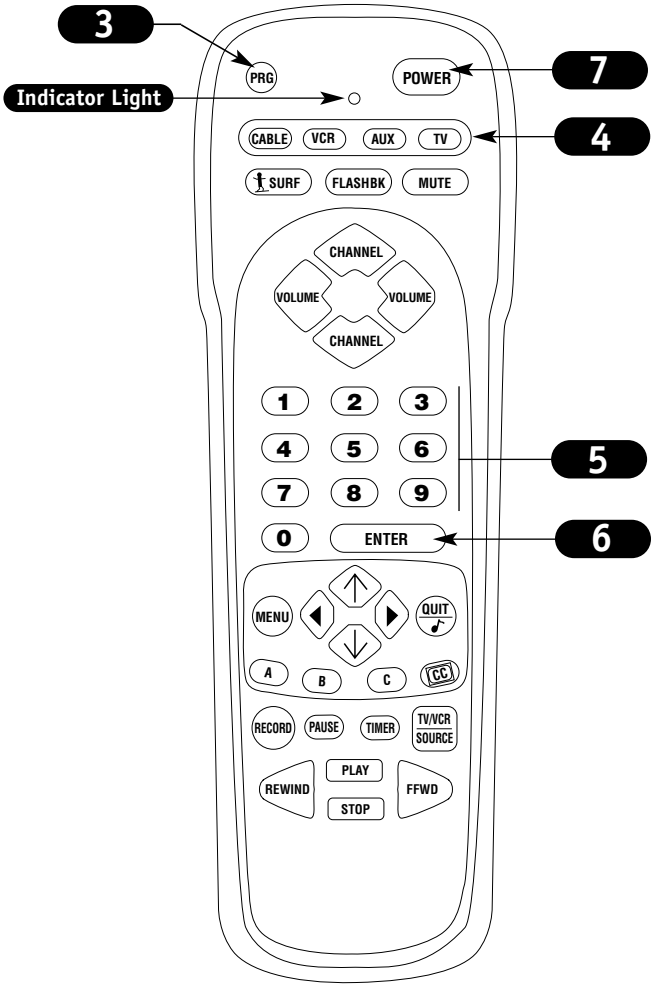
5 Using the NUMBER keypad, enter the three-number code found on the chart on pages 43/44.

6 Press ENTER to save the code The indicator light will flash three times and turn off if the code was accepted.

7 Point the remote at the device and push the POWER key. The device should turn off. If not, try the other codes listed and continue from Step 3.

Programming your Zenith remote will allow you to use one remote to work up to 7 different devices, if all remote operating modes are programmed!

Not all devices will work with your Zenith remote control.



Mode / Product Compatibility			
TV	VCR	CATV	AUX (AUX+1, AUX+2, AUX+3)
TVs	VCRs	Cable Boxes, Satellite Receivers	All products on pp 43 - 44

Amplifier Volume Override

Sets up your amplifier to be operated in all remote control modes

1 Find the code that operates your amplifier. Test it to make sure it's the correct one by following the procedure in "Programming Your Remote" on the previous page.

2 Program your audio system into one of the available AUX modes: Aux, Aux+1, Aux+2, or Aux+3.

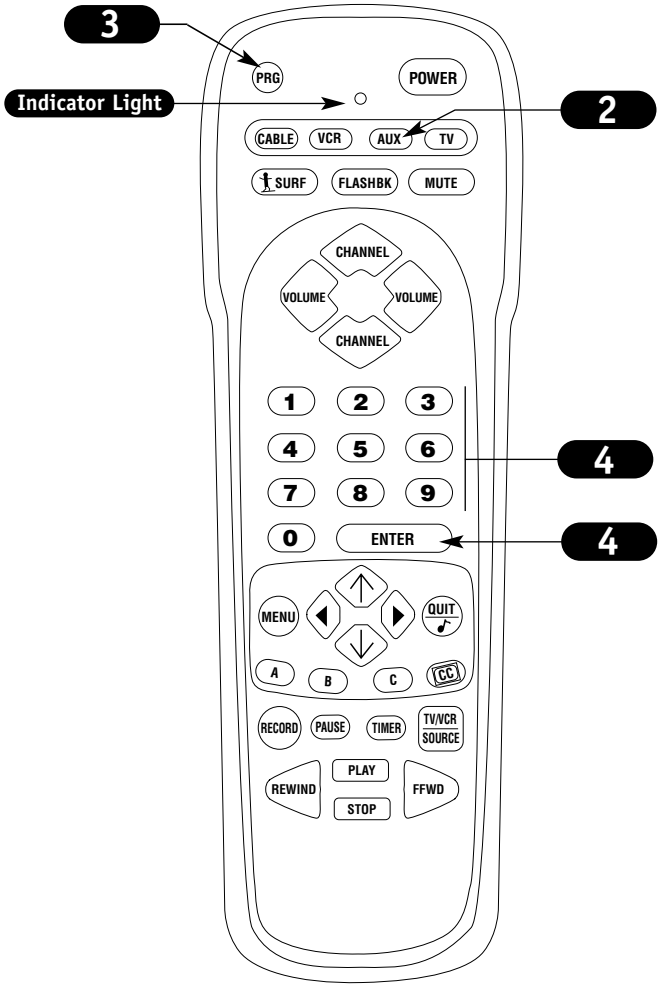
3 Press and hold PRG on your remote until the indicator light stays lit, then release.

4 Press 4-9-9; then ENTER on the remote. The indicator light will flash three times the code was accepted.

Audio system volume/mute now appears in all modes.
Note: You can also program Cable Box Volume and Mute control (if available) into your cable box mode (CABLE or AUX mode) by repeating the steps for programming on the previous page but entering 3-9-9, instead of a brand code, then pressing ENTER.

Your volume and mute keys now control your amplifier, while all the other keys still operate the Presentation TV. To put everything back to normal, reprogram all modes with their original codes (see the "Programming Your Remote" page).

If you can't find the code for your amplifier, use the Auto Find feature on page 42.



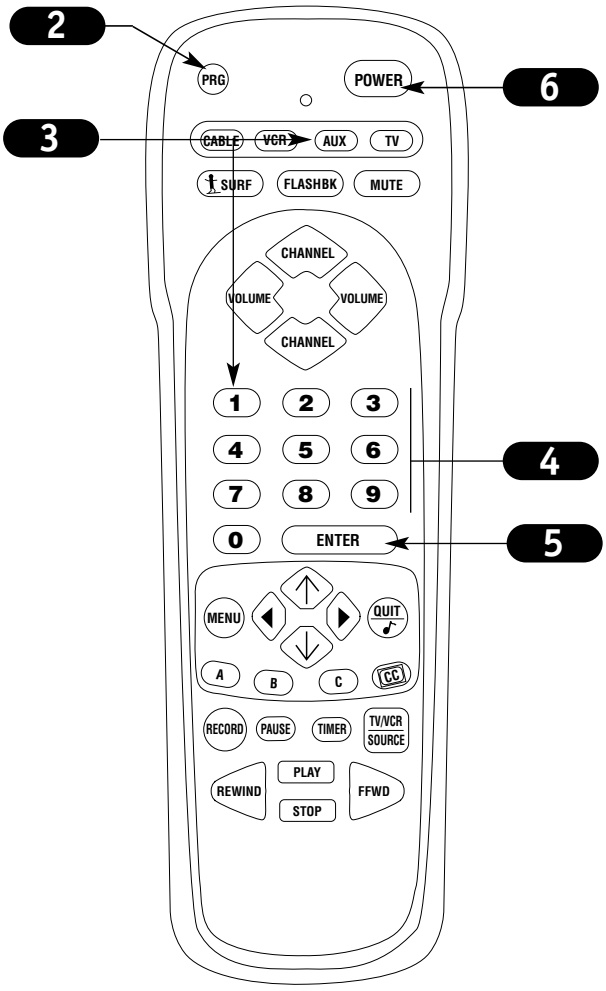
Mini glossary

AMPLIFIER	An electronic device that amplifies sound from a television, CD player, VCR, or other A/V device.

AUX+1, AUX+2, AUX+3

There are 3 additional Aux modes you can program

1. Refer to the brand programming codes on pages 43/44 to find the type and brand name of the device you're programming.
2. Press and hold the PRG key until the indicator light turns on.
3. Press the AUX key and the 1 on the NUMBER keypad at the same time (for AUX +1).
4. Using the NUMBER keypad, enter the three-number code for the device you've selected.
5. Press ENTER to save the code.
6. Turn the device on. Point the remote at the device and press POWER. It should turn off.
7. Repeat the steps to program AUX+2, and AUX+3.



Programming your Zenith remote will allow you to use one remote to work up to 7 different devices, if all remote operating modes are programmed!

Not all devices will work with your Zenith remote control.

Remote Control Auto-Find

If Programming the Remote did not find your code, try this procedure to automatically find the code for your device. If your remote becomes inoperable, go back to "Programming your Remote" and enter the Zenith TV code for Step 5, see page 43

1 Turn on the device you're programming for the remote control.

2 Press and hold the PRG key until the indicator light turns on.

3 Press the key for the device you're trying to program (CABLE, VCR, AUX, TV).

4 Enter the code 0-0-0 (zero-zero-zero), then press the ENTER key right away.

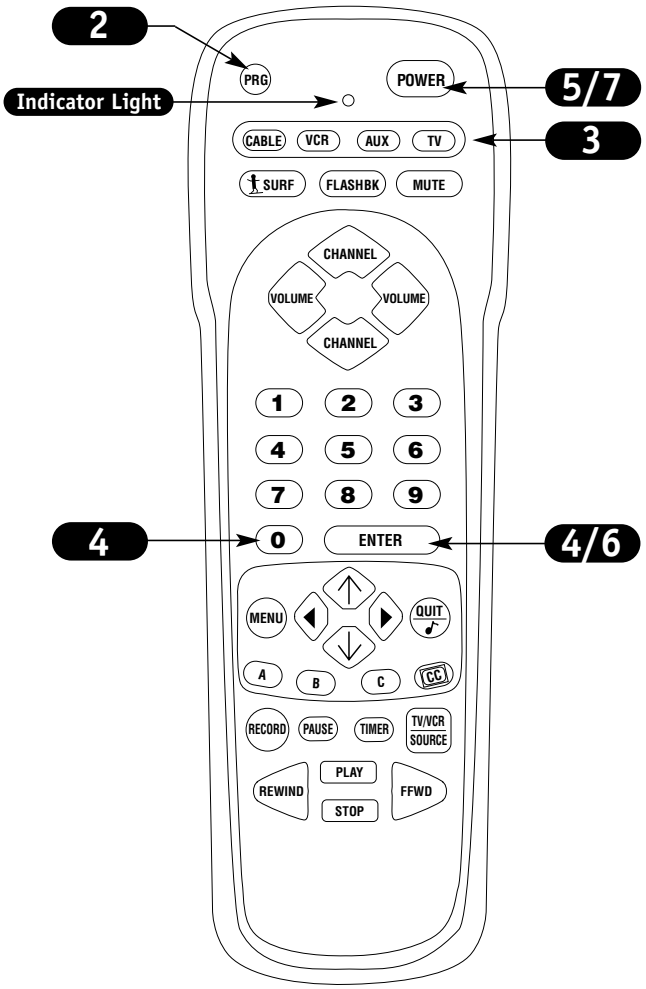
5 Aim the remote at the correct device and press POWER. Allow a second to pass, then push the POWER key again. Repeat until the device turns off. (This is a trial and error process, so it may be necessary to repeat these steps until the remote finds your code.)

6 Push ENTER to save the code.

7 Press POWER to turn the device back on.

You can quickly get out of Auto Find by pressing QUIT.

If the indicator light stays on while you push Power, instead of turning off, all the codes have been tried and the device can't be programmed.



Brand Programming Codes

Find the codes you need to program your remote. On this page: TVs, VCRs, Cable Boxes, and HD/Set Top Boxes

TVs

Daewoo 149

Zenith 101 121 149 152

TV/VCR Combination Codes

Adventura TV/VCR . 154

Daewoo TV/VCR . . 148

Funai TV/VCR. . . . 154

Goldstar TV/VCR. . 153 172

Symphonic TV/VCR 154

Zenith TV/VCR . . . 150 152 153 154 172

VCRs

Admiral 261

Akai 292 717 718 719 720

Audio Dynamics . . 726

Bell & Howell 247

Broksonic 221 250 255 729

Candle 727

Canon 704

Capeheart 728

Citizen 727

Craig 212

Curtis Mathes . . . 259 266 725 727

Daewoo 244 246 248 254 703 729

Daytron 246

DBX 726

Electrochrome. . . . 730

Emerson 203 221 243 250 293 721 722 729 730 731 732

Fisher 211 212 213 247 265 274

General Electric . . 216 220 266 282 701 702 725

Go Video 256 262 263 700

Goldstar 253

Harmon Kardon . . . 296

Hitachi 257 270 273 292 705 706 707 708

J.C. Penny 268 726

Jensen 292

JVC 224 225 258 268 292 299 726

Kenwood 268 292 726 727

Magnavox 275

Marantz 267 268 726 727

Memorex 212 298

MGA 297 730

Mitsubishi 276 277 278 279 280 296 297 730

Montgomery Ward 216 219 249 291 730

MultiTech. 727

NEC 267 268 269 281 292 709 726

Orion 250

Panasonic 245 251 259 713 714 715 716

Pentax 708 727

Philco 275

Pioneer 210 282 726

Portland 246 727

ProScan 216 260 266 282 725

Quasar 259 295

Radio Shack 213 265 730

RCA 216 220 228 240 242 249 260 266 282 283 284 285 286 287 288 708 710 711 725

Realistic 212 213 265 730

Saisho. 722

Salora 297

Samsung 220 230

Sansui 289 292 709 726

Sanyo 212 247 294

Scott 243 290 729

Sears 211 212 213 265 274

Sharp 261 730

Signature 2000 . . . 216 219 249

Sony 232 723 724

Sylvania 275 297

Tatung 268 292

Teac 268

Teknika 272

Toshiba 213 274 290 297

Vector Research . . 726 727

Victor 726

Video Concepts . . . 726 727

XR - 1000 243

Yamaha 726

Zenith 201 224 225 229

Cable Boxes

Allegro 358 362

Allegro A-B Switch 361

Archer 325

Century 325

Citizen 325

Comtronic 326

Everquest 379

Garrard 325

Gemini 305 331 338

General Electric. . . 367

General Instrument 304 305 306 307 308 309 310 318

Hamlin 302 303 345 365 366

Jasco 325

Jerrold 304 307 308 309 310 318 360 363

Kale Vision 335

Macom 321

Magnavox 327 334

NSC 335 339 368 369 370

Oak 311 332 342

Panasonic 313 320

Philips 325 327 347 350 352 354 355

Pioneer 315 343

RCA 341

Regency 329

Samsung 326 335

Scientific Atlanta 316 323 336 337 364

Signal 326

SL Marx 326

Sprucer 313

Standard Comp . . . 335

Stargate 326 379

Teleview 326

Texscan 339 356 371

Tocom 317 318 346

Unika 325 348 362

Universal 325 358 362

Vid Tech 340

Video Way 349

Viewstar 327 354 355 372

Zenith HT-2000. . . 353

Zenith PM 374

HD/Set Top Boxes

Echostar 805

Hughes 803

Philips 802

RCA 804

Sony 801

Zenith 800

Brand Programming Codes

Find the codes you need to program your remote. On this page: Satellite Receivers, DVD Players, Audio CD Players, Audio Tape Decks, and Audio Tuners/Amplifiers

Satellite Receivers

Alphastar 516
Chaparral 501 502
Cheyenne 502
Dishnet 515
Drake 503
General Electric . . . 510 517
General Instrument 504 505
Hitachi 519 520
Hughes Network . . 514
JVC 518
Macom 314
Magnavox 521
Phillips 521
PrimeStar 513
ProScan 510 517
RCA DSS 373
RCA 510 517
Realistic 506
Sierra I 502
Sierra II 502
Sierra III 502
Sony 511
STS1 507
STS3 508
Toshiba 509 512
Uniden 522
United 344
Zenith Drake 312 330
Zenith Satellite . . 328 351 378 500

DVD Players

JVC 965
Mitsubushi 964
Pioneer 963
Sony 962
Toshiba 961
Zenith 960

Audio CD Players

ADC 940
ADO 939
Aiwa 938
Akai 937
Denon 935
Dynatech 953
Emerson 952
Fisher 438 933 951
GE 932
Goldstar 460
Hitachi 950
JVC 949 954
Kenwood 441 931 948
Luxman 930
Magnavox 421 422 433 434
Marantz 929 947
MCS 928
Mitsubishi 927
Nakamichi 925 926
Onkyo 923 924 946
Optimus 920 921 922
Panasonic 431 432 945
Phillips 421 433 434
Pioneer 431 435 944
Quasar 432
Radio Shack 431 441
RCA 437 943
Sanyo 438 439
Sears 936
Sharp 441 442
Sherwood 449
Sony 420 443 444 445 934
Soundesign 461 498 901 902
Sylvania 433
Teac 418 419
Technics 432
Toshiba 915
Yahama 414 941 942
Zenith 460 461 498 901 902
Zenith CD Rec . . . 415

Audio Tape Decks

Sony 452

Audio Tuners/Amps

Citizen 914
GE 916
Goldstar 460 474
Hitachi 919
JVC 908
Kenwood 484
Luxman 467
Marantz 903 913
Memorex 485
Nad 904
Nakamichi 493
Onkyo 471 906
Optimus 905
Panasonic 912
Pioneer 470 485 907
Proton 910
Quasar 912
RCA 909
Sharp 483 917 918
Sherwood 900
Sony 486 489 490 491 492
Soundesign 461 498 901 902
Toshiba 915
Techniques 912
Victor 908
Zenith 460 461 498 901 902

Remote Operating Mode Key Functions

A list of key functions by mode for the remote control

KEY NAME	TV Mode Zenith Code 101	VCR Mode Zenith Code 201	Cable Mode Zenith Code 353	AUX Mode Zenith Code 960
PRG	Program Mode Codes	Program Mode Codes	Program Mode Codes	Program Mode Codes
POWER	TV On/Off	VCR On/Off	Cable Box On/Off	AUX On/Off
CABLE	Selects Cable	Selects Cable	Selects Cable	Selects Cable
VCR	Selects VCR	Selects VCR	Selects VCR	Selects VCR
AUX	Selects AUX	Selects AUX	Selects AUX	Selects AUX
TV	Selects TV	Selects TV	Selects TV	Selects TV
Surf	Channel Preview	VCR SP/EP	Cable FC/Fav Ch	AUX Audio
FLASHBK	TV Flashback	VCR Flashback	Cable Flashback	AUX Return
MUTE	TV Mute	TV Mute	TV Mute	TV Mute
CHANNEL UP	TV Channel Up	VCR Channel Up	Cable Channel Up	AUX Skip >>
CHANNEL DOWN	TV Channel Down	VCR Channel Down	Cable Channel Down	AUX Skip <<
VOLUME (RIGHT)	TV Volume Up	TV Volume Up	TV Volume Up	TV Volume Up
VOLUME (LEFT)	TV Volume Down	TV Volume Down	TV Volume Down	TV Volume Down
1	TV Digit 1	VCR Digit 1	Cable Digit 1	AUX Digit 1
2	TV Digit 2	VCR Digit 2	Cable Digit 2	AUX Digit 2
3	TV Digit 3	VCR Digit 3	Cable Digit 3	AUX Digit 3
4	TV Digit 4	VCR Digit 4	Cable Digit 4	AUX Digit 4
5	TV Digit 5	VCR Digit 5	Cable Digit 5	AUX Digit 5
6	TV Digit 6	VCR Digit 6	Cable Digit 6	AUX Digit 6
7	TV Digit 7	VCR Digit 7	Cable Digit 7	AUX Digit 7
8	TV Digit 8	VCR Digit 8	Cable Digit 8	AUX Digit 8
9	TV Digit 9	VCR Digit 9	Cable Digit 9	AUX Digit 9
0	TV Digit 0	VCR Digit 0	Cable Digit 0	AUX Digit 0
ENTER	TV Enter	VCR Enter	Cable Enter	AUX Display
MENU	TV Menu	VCR Menu	Cable Menu	AUX Menu
UP ARROW	TV Select Up	VCR Select Up	Cable Up Arrow	AUX Up Arrow
DOWN ARROW	TV Select Down	VCR Select Down	Cable Down Arrow	AUX Down Arrow
LEFT ARROW	TV Adjust Left	VCR Adjust Left	Cable Left Arrow	AUX Title
RIGHT ARROW	TV Adjust Right	VCR Adjust Right	Cable Right Arrow	AUX Sub-Title
QUIT/(Note)	TV Front Sound	VCR Quit	Cable Quit	AUX Resume
A	TV PIP	VCR+	Day Up	AUX Marker
B	TV PIP Swap	VCR Eject Tape	Day Down	AUX Marker Search
C	TV PIP Freeze	VCR Commercial Skip	Cable Page Up	AUX Repeat-Chap
CC	TV Closed Captions	VCR Memory	Cable Page Down	AUX Repeat A-B
TIMER	TV Timer	VCR Timer	Cable Timer	AUX Program
TV/VCR/SOURCE	TV Sources	TV Tuner or VCR Tuner	Cable Info	AUX Open/Close
RECORD	VCR Record	VCR Record	Cable Buy	AUX Angle
PAUSE	VCR Pause	VCR Pause	Cable Guide	AUX Pause
REWIND	VCR Rewind	VCR Rewind	VCR Rewind	AUX Scan <<
PLAY	VCR Play	VCR Play	VCR Play	AUX Play
STOP	VCR Stop	VCR Stop	VCR Stop	AUX Stop/Eject
FFWD	VCR Fast Forward	VCR Fast Forward	VCR Fast Forward	AUX Scan >>

References: MBR3447C, 124-233-04 and µP 221-New

Some of the functions shown above may not be available on your TV (such as PIP).

Computer Setup Troubleshooting:

Some quick and easy tips to resolving problems using the Presentation TV as a Computer Monitor

Symptoms	Possible Cause(s)	Possible Solution(s)	Page(s)
Computer Image			
Poor or no computer picture.	• Poor Connections.	-Check all cable connections.	8
	• TV/Computer not turned on.	-Turn TV/Computer on.	
	• Wrong TV source selected.	-Select the proper TV source the computer is connected to.	11
	• 800 x 600 @60 HZ not set.	-On the Computer, set display output to 800 x 600 @60 Hz.	6
	• TV not adjusted to computer yet.	-Wait until TV adjusts to computer image.	7
	• Cable over 25 feet.	-Set up Computer/TV where an excessively long cable is not needed.	
Local interference.	• Check for disturbing source.	*The following may cause image problems or distortion: Electrical appliances, powerful lights, cars, trucks; computers or portable phones; medical equipment*	
	• Appliance too close to TV. or computer.	-If possible increase the distance between your TV and computer and the offending appliance. Or shut one of them off.	
Fuzzy computer picture.	• 800 x 600 @60 HZ not set.	-On the computer, set display output to 800 x 600 @60 Hz.	6
Poor computer picture.	• Computer display output is not optimized.	-See pages 9 or 10 for instructions to optimize computer's image.	

206-4544 2/1/01

Note: Also provided with this TV and intended for qualified Servicer/Technicians usage only: ***Installation and Setup Guide*** *- A limited access publication with information and instructions primarily used by qualified electronics servicer/technicians to configure or adjust the operational features of this TV.*

Some quick and easy tips to resolving problems

Symptoms	Cause(s)	Possible Solution(s)	Page(s)
Power			
No Power.	• AC Power Cord not connected or outlet doesn't work,	-Connect power cord. Try a different outlet. -Local power failure?	15 - 19
No Source image.	• Source turned off.	-Turn Source equipment on.	
Remote Control			
Remote doesn't work.	• Remote not in TV mode.	-Press TV to put remote into TV mode.	23
	• TV software functioning.	-Wait until software function is complete.	
	• Not aimed at remote sensor.	-Point remote at TV Front Control Panel.	22
	• Remote too far from TV or IR path to TV obstructed.	-Move remote closer to TV or darken room. -Remove obstructions.	
	• Weak batteries.	-Replace batteries.	15 - 19
	• Wrong battery polarity.	-Check that "+" and "-" match in battery compartment.	15 - 19
	• Too much light in room	-Dim room light.	
Menu Operation			
Menu options can't be changed or selected.	• Software lock-up.	-Unplug power cord for 5 minutes to unlock software. (Reset clock if necessary.)	15 - 19
Caption/Text Problems			
Picture has a big black box on it, but the sound is O.K.	• Caption/Text mode turned on.	-The CC (closed caption) option may be in Text 1, 2, 3, or 4 mode. -Select Caption 1, or OFF in the Caption/Text menu.	
No Closed Captions or Text.	• Not available on program.	-Check local TV listings to see if available on broadcast. -Relocate over-the-air antenna. -Try a different channel with Closed Captions or Text.	30
	• Not turned on.	-Pick a Closed Caption or Text option and turn Captions on.	30
Captions appear when sound is muted.	• EZ Mute selected.	-Set Captions option to off.	30
Parental Control Problems			
Protected/blocked message shows on-screen.	• Program content is restricted.	-Key-in password and turn Lock On/Off (restrictions) Off. -Set to Off in Lock On/Off menu.	35/36
	• Don't know password.	-Tune to channel without Parental Control "Content" restrictions. -Wait until restriction time expires.	
TV-PG programs blocked.	• TV-PG set to be blocked.	-Reset restrictions to PG-13 so TV-PG programs will appear.	35/36
Foul language is heard.	• Foul language not blocked.	-Restrict Language in Content options on Parental Control menu.	
	• Program is not rated.	-Restrict programs with no ratings.	

Some quick and easy tips to resolving problems

Symptoms	Possible Cause(s)	Possible Solution(s)	See page(s)
Picture Reception			
Poor or no picture.	• TV station problems.	-Try a different channel.	22/23
	• Video menu not adjusted properly.	-Check Video menu option settings.	34
Local interference.	• Check for disturbing source.	*The following may cause image problems or distortion: Electrical appliances, powerful lights, cars, trucks; computers or portable phones; medical equipment*	
	• Appliance too close to TV.	-If possible increase the distance between your Entertainment Machine and the offending appliance. Or shut one of them off.	
Poor or no color.	• Sub-standard broadcast.	-Try a different channel.	22/23
	• Sub-standard cable signal.	-Notify cable company of reception problem. -If a VCR is connected, play a tape.	
Picture wobbles or drifts.	• CATV not connected, loose.	-Make or tighten connection.	15 - 19
	• Local interference.	-Try different channel. Turn off interfering appliance.	22/23
	• Scrambled CATV channel.	-Tune to unscrambled channel.	22/23
No CATV reception.	• Cable not connected.	-Connect cable to UHF/VHF.	15 - 19
	• Cable service interrupted.	-Contact cable service.	
	• Antenna set, not CATV.	-Select CATV in Setup menu, run Auto Program.	21
Normal picture, poor or no sound.	• Audio Muted.	-Press MUTE or volume right key to increase sound level.	23
	• Broadcast problem.	-Try a different channel.	22/23
	• A/V cables incorrectly connected.	-Install the Audio A/V cables correctly	17 - 20
	• Audio Out cables wrong.	-Install external amplifier cables correctly.	20
	• Speakers turned off.	-Turn speakers on in the Audio menu.	33
	• No 2nd Audio/SAP on program.	-Choose another audio mode option or a different program.	33
Snowy or Poor Picture	• Wrong Ant. connection/location.	-Move antenna, check connection/location.	15 - 19
	• TV/VCR button set wrong.	-Set TV/VCR button on your VCR correctly.	17 - 19
	• Wrong tuning mode.	-Are you in TV or cable tuning mode, and should be in the other?	
	• Wrong output channels selected.	-Set output channels on all A/V equipment to same channel (3 or 4).	
	• Loose connection.	-Check that all connections are tight.	
	• Broadcast problem.	-Try another channel.	22/23
	• Video menu options set wrong.	-Make sure Video menu brightness controls are set properly	34

Symptoms	Possible Cause(s)	Possible Solution(s)	See page(s)
TV turns On.	• Alarm set to turn TV on.	-Turn TV off.	31
TV turns Off.	• Sleep Timer turned TV Off.	-Turn TV back on.	38
No Source Menu.	• Auto Sense source(s) connected.	-Disconnect device(s) from Auto Sense source connection(s).	24
Menu does no appear.	• Wrong mode on remote. • Auto Sense source(s) connected.	-Press TV to select TV operating mode on remote. -Disconnect device(s) from Auto Sense source connection(s).	23 24
Daisy-Chain TVs have no picture.	• S-Video cables not connected between source TV and daisy-chained TVs.	-Connect cables properly.	19
	• S-Video not selected on other daisy-chain TVs.	-Select S-Video input on daisy-chained TVs.	

Routine TV cabinet and screen cleaning

Careful and regular cleaning can extend the the useful service life of the TV. Be sure to turn the power off and pull out the power cord before you begin any cleaning.

Screen Cleaning

1. Here's a great way to keep the dust off the screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

2. Make sure the excess water is off the screen, and then let it air-dry before turning it on.

Cabinet Cleaning

1. Use a soft cloth with a mild soap solution to wipe the cabinet. (Avoid using any harsh, industrial strength variety of cleaner.)

2. Rinse the cloth and wipe the cabinet again.

3. Let the cabinet air-dry before turning the Presentation TV on.

Wood Cabinet

Use a quality wood cleaner and polish. This will protect the TV from dirt and dust, as well as keep the cabinet looking new.

Extended Absence

If you leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power to protect against possible damage from lightning or power surges. If you use an off-air antenna, you may also want to disconnect it from the back of your TV before leaving.

If you unplug the TV, you may have to reset the clock using the Clock Set menu described earlier.

A list of definitions for words found in this guide

75 OHM RF CABLE	The wire that comes from an off-air antenna or cable service provider. The end looks like a hex-shaped nut with a wire sticking through the middle. It screws onto the threaded jack on the back of the TV.
300 TO 75 OHM ADAPTER	A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end.
A/V CABLES	Audio/Video cables. Three cables bunched together—right audio (red), left audio (white), and video (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound from other A/V devices.
A/V DEVICE	Any device that produces video or sound (VCR, DVD, cable box, or television).
ADDED	Lets you add new channels to list that you'll scroll through when using your remote.
AMPLIFIER	An electronic device that amplifies sound from a television, CD player, VCR, DVD or other A/V device.
ANTENNA	The physical receiver of television signals sent over the air. A large metal piece of equipment does not always have to be visible for your home to be using an antenna.
AUTO PROGRAM	Auto Program has the Presentation TV automatically find all the channels available in your area.
AUTO SENSE	If a device is connected to an Auto Sense input, it is automatically selected as the source and appears on the TV screen.
BLANK	Channels that are Blanked will not have Video (shows a blank screen); only audio, if present on channel.
DELETED	Lets you remove channels from the list that you'll scroll through using the remote.
GHOST CHANNEL	Displays a red slowly scrolling channel number on the screen.
INPUT	Refers to the jack that receives a signal from a TV, VCR or other A/V device.
JACK	A connection on the back of a TV, VCR, or any other A/V device.
MONO SOUND	Mono (monaural) sound is one channel of sound. On more than one speaker, all the speakers play the same audio.
OUTPUT	Refers to the jack that sends a signal out of a VCR, DVD, or other A/V device.
2ND AUDIO PROGRAM/SAP	Second Audio Program (SAP) is another, separate, audio channel Available with some programming. Choosing SAP often refers to listening to audio in another language, such as Spanish or French.
SIGNAL	Picture and sound traveling through a cable, or over-the-air, to your television screen.
STEREO SOUND	Stereo (Stereophonic) sound refers to audio that's divided into right and left sides.
TUNER	Device that picks up the signal and turns it into picture and sound.

Your Zenith Presentation™ TV Warranty

Direct-View Color TV Welcome to the Zenith family! We believe that you will be pleased with your new Zenith TV. Please read this warranty carefully, it is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state within the U.S.A.

ZENITH'S RESPONSIBILITY

Service Labor During a period of one year from effective warranty date, Zenith will provide service labor by a Zenith authorized service center when needed, as determined by the Zenith service center, as a result of manufacturing defects.

Parts New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized service center for one year from effective warranty date (color picture tube — two years). Such replacement parts are warranted for the remaining portion of the original warranty period.

Warranty Service Warranty service is provided in the institution in most cases. (Some repairs may require the unit to be taken by the servicer to the repair facility and returned, at no additional charge.) Call **1-888-865-3026** for further information.

Not Covered This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls, installation or repair of antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ZENITH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS IN CONNECTION WITH THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, TO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

OWNER'S RESPONSIBILITY

Effective Warranty Date Warranty begins on the date of installation of the Commercial Products Direct-View Television Receiver.
For your convenience, keep the dealer's dated bill of sale or delivery ticket as evidence of the purchase date.

Operating Guide Read your Operating Guide carefully so that you will understand the operation of the TV and how to adjust the controls.

Antenna Reception problems caused by inadequate antenna or faulty antenna connections are the owner's responsibility.

Important Product Registration—Please fill out and mail the Product Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you.

Warranty Service **For warranty service information, call 1-888-865-3026.** Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call **1-888-865-3026.**
You must provide the model number, serial number and date of purchase or date of original installation.
Before you ask for warranty service, read "Maintenance and Troubleshooting" in the operating guide. You might avoid a service call.

For Customer Support/Service
Please call:

1-888-865-3026

www.zenith.com

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